



Catalogue

SHENGJIU CABINETS LOCK CO.,LTD.



ISO9001/ISO14001

**SHENGJIU
CABINETS LOCK**

**2016-2017
CATALOGUE**

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Shengjiu Introduction

Shengjiu Cabinets Lock Co., Ltd is a comprehensive cabinet locks and hardware manufacturing enterprise integrating R&D, industry and trading. It was established in 1984.

Shengjiu has cultivated a professional and dedicated R&D team. We dedicate in developing three main principle products, such as cabinet locks, hinges and handles. We design products base on daring ideas and acquire the up-to-date information locally and abroad keenly. The company possesses more than 40 products of its own producing and selling right.

The company has a complete system in tracing, monitoring and inspecting starting from R&D, molding making, die-casting, punching, surface treatment and assembling.

After 30 years development, Shengjiu has already established its own quality systems and products standards. The company established the management standard after advanced equipment of mold and testing center was set up. We get ISO9001:2000 in 2001. At the same time we were beginning to pay more attention to environmental protection and got ISO14001:2004 in 2006.

Shengjiu regards quality as lifeline. We always concentrate on "Service first, quality first" to get more benefit for customer. We also provides different solutions to satisfy the customer's requirement. Meanwhile, We improves the company's internal competition, and provides the outstanding products to customer on time. Eventually achieve a win-win target.



ISO9001:2000
ISO14001:2004



Testing center

The testing center of Shengjiu was established in December 2006, It was divided into three sections: weather resisting test, mechanical property test and physically & chemically analytical test. According to the requirement of JB/T10382-2002 "the General Qualification for Mechanical Locks of Electrical Equipments" and the Shengjiu's standard for products quality, a full set of testing equipment was designed and set up. Counting on science, fair and accurate as its aim of work, Shengjiu gives a guarantee to the quality of its products and also lengthens its products' service life.

The tests include:

1. Weather resisting test

Salt spray test, ultraviolet light resisting test, dustproof test temperature and moisture/heat alternating test

2. Mechanical property test and equipments

Tensile test: for examining the tensile strength of the products and materials.

Impact load test: for examining the impact strength of the products and materials.

Image measuring instrument: for drawing products precisely and for analyzing the materials' whole image.

Intelligent electrochemical thickness gauge, hardness gauge, instrument for testing spring's pulling and pressing force, torsion stress testing instrument, vibration testing instrument, instrument for life test.

3. Physically & chemically analytical tests

Atomic absorption spectrophotometer: for analyzing components of materials; for measuring content of hazardous metal according to RoHS application.

Ultraviolet-visible spectrophotometer: for measuring content of hexavalent chromium.





Testing center equipment introduction



» Salt spray tester

Application: Test corrosion resistance of the protecting coating on product's surface



» Image measurement instrument

Application: Measure high precision, irregularly shaped product and draw the outline. Such as angle, radian, radius and hologram generates CAD and so on



» Ultraviolet light and climate resistance adjustable testing box

Application: Test the influence to the color of product's surface and mechanical property under harsh ultraviolet radiation or at temperature 50°C to 70°C



» Dust test chamber

Application: Test the influence to product's mechanical property in harsh sand and dust environment. Confirm whether the sand or dust will get into the inside of cabinets through cabinet locks. Survey the IP degree of cabinet locks



» High-low temperature-humidity test chamber

Application: Test the influence to product's mechanical and physical property in environment of different temperature and humidities



» Impact testing machine

Application: Test the impact resistance of different materials



» Pressure tester

Application: Test high pressure performance of electronic products. The main purpose of the pressure test is by testing circuit and housing leakage current value to check the ability of insulation withstand voltage.



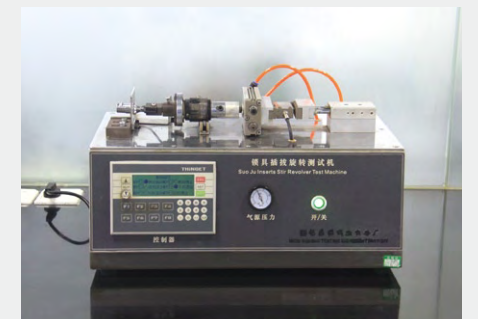
» Electrical parameters measuring instrument

Application: Test electronic products, voltage, current, power factor.



» X Fluorescent direct reading spectrometer

Application: Test the percentage content of each element in the test sample or the ROHS test



» Lock insertion and removal rotation testing machine

Application: Test the usage counter of cylinder in the key plug, pull, turn bolt driven. Test machine shows the key inserted, pull force, torque value of rotation.



» Universal electronic spring pull and press tester

Application: 1. Test the physical property of different materials, such as the tensile strength, the yield stress and the point of elastic deformation
2. Test the bearing capacity of the cam, the magnitude of tensile resistance and the stress of the whole cabinet lock. Test the product's bearable load according to the testing graph
3. Test the magnitude of hinge's widthways and lengthways bearing capacity. Test the product's bearable load according to the testing graph



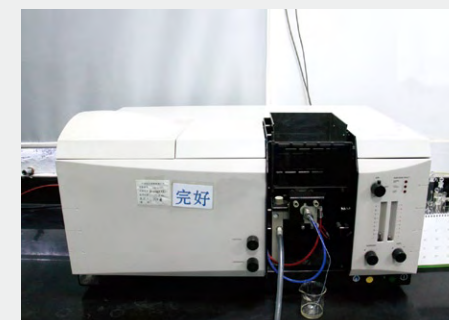
» Vickers hardness tester

Application: Measure the hardness of product after the heat treatment or the hardness of some big products with great hardness. All the products tested by electric hardness tester can also be tested by vickers microhardness tester. Electric hardness tester measures more fast. Vickers microhardness tester measures slowly and complexly



» High speed carbon-sulfur analyzer

Application: Test the percentage of carbon and sulfur in different materials



» Atomic absorption spectrophotometer

Application: Test the percentage of Ni, Pb, Cu, Zn, Fe, Al, Hg, Mn, Li, Mo and so on in different materials



» Waterproof test

Application: Test product waterproof level. Test product features in the water environment whether can normal operation. Test whether in-outside of product is sealed and impermeable



Design&Mould



Shengjiu focuses on every detail and humanization design of its' products. We try to attain the most simple operation method with the most reasonable structure on the premise of our products' quality.

Moulding tool, as the most important link of carrying out an idea into reality, is the key for guarantee factor to the product quality. Our CNC processing center, CNC engraving machine, electric impulse machine and experienced would designer, make the whole process to be more efficent and reliable.



Naometerspray Painting

CONCEPT OF NANOMETER SPRAY PAINTING

Nanotechnology is one of develpment form science-and-technology in the area of physics. Nanometer spray painting is which nanotechnology is used in manufacture. It forms compact nanometer painting on the surface of products which include exceptional hardness and high corrosion resistance materials. It can provide many kinds of colors and luster. This is one of the surface treatment which is environment friendly, lower cost, and durable. Nanometer spray painting is not eroded itself to protect the inside metal, the material can be eroded if the surface coating is destroyed, but it's excellent physical capability could replace electroplating treatment in a certain extent.



1	Highest temperature	150℃-180℃
2	Lowest temperature	-40℃
3	Hardness	GB/T6739-96 CHUNG HWA pencil 5-6H
4	Impact	GB/T1732-93 no rift, nofall-off (50kg.cm)
5	Resistance to Boid	Keep normal under 100℃ water for 1 hour
6	Resistance to Acid	Keep normal under 5% HCl for 200 hours
7	Resistance to Alkali	Keep normal under 5% NaOH for 200 hours
8	Salt corrosive-resistance	GB/T1025-1997 under 5% NaCl 500hours in PH=7
9	RoHS compliance	Accordance with RoHS application
10	Color-resistance	Keep the normal color under drying in 180℃ for 1 hour
11	Weather-resistance	GB/T4522-93 E<2 (ASTMG-53) QUV200 hours
12	Bend	GB11185-89 3MM Keep normal
13	Thickness	GB1764-79 40-60um



Vacuum Chrome Plated Nickel Plating Technology

Industrial manufacturing has brought severe damage to earth's ecosystem, and human living environment becomes worse and worse,so providing a better living environment is responsibility and obligation of every enterprise. Shengjiu is devoting to research environmental products and processes. Lasted five years Shengjiu research and explore the Vacuum Chrome-plating environmental finish process, and come true non-polluting &environmental processing, and processing parts in accordance with the standard of EU environmental protection.

Vacuum coating technology is the use of physical and chemical method, solid surface is coatedwith a layer of special performance, so that the solid surface with wear-resistant, high temperature resistance, corrosion resistance superior performance, antioxidation, anti radiation, conductive, magnetic, insulation and decoration and many other than solid material itself, to improve product quality, extend product life, save energy and achieve significant technical and economic benefitWorking principle: under the condition of vacuum, the metal, alloy or compound (evaporation or sputtering deposition), the cooling in the painted object film-forming process; vacuum coating is a new coating technology, coating preparation process is carried out under vacuum conditions, it with the existing liquid penetration the resulting coating has the following characteristics:

Preparation of thin film,the vacuum environment clean, flm is not easy to be contaminated, can obtain good compactness, high purity, uniform coating film.

The film material and substrate material has a wide range of selectivity, thickness of the film can be controlled to produce various functional chrome film.

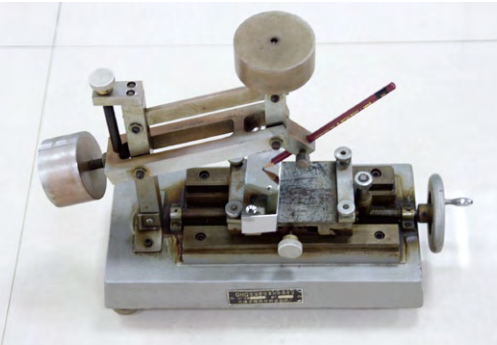
The film and substrate adhesion strength is good, the film is firm.

It does not produce waste, can avoid the pollution of the environment.

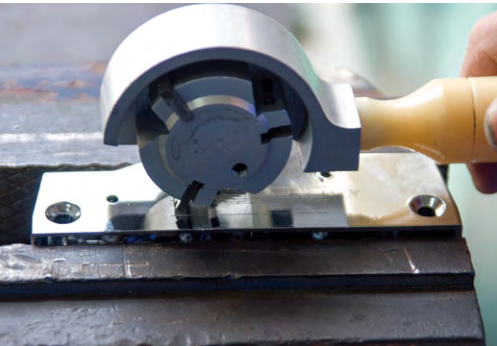
The coating structure is generally divided into: vacuum coating material, vacuum coating, primer, topcoat.



» Processing equipment showing



» Hardness test



» Adhension test

Vacuum Chrome Plated Nickel Plating Technology

Compared to common plating, vacuum plating can meet the all general performance of common electroplating, its special character more suitable for all kinds of harsh environment, and the coating in line with the EU ROHS related law Requirements. The following is a vacuum chrome of the performance indicators:

Test Items	Technical data	
	Vacuum Chrome Plating	Usual plating
Impact strength	GB/T1793-1993 50kg-cm The surface is OK	/
Boling water resistance	120°C 1hour	/
Hardness	According GB/T6739-2006 more than 2H	/
Adhesive	GB/T 5270-2005 no obscission	GB/T 5270-2005 no obscission
Thickness	40-60um	8-12um
Corrosion resistance	GB/T10125-1997 more than 96H NSS	GB/T10125-1997 more than 48H NSS
Environmental protection	No waste water,so won't produce the products with environmental safety risk	Produce too much heavy metal waste water,not Rohs,so the products also have risk for environmental.

Product picture effect comparison (the appearance effect without any difference)



Vacuum chrome plated



Common electroplated



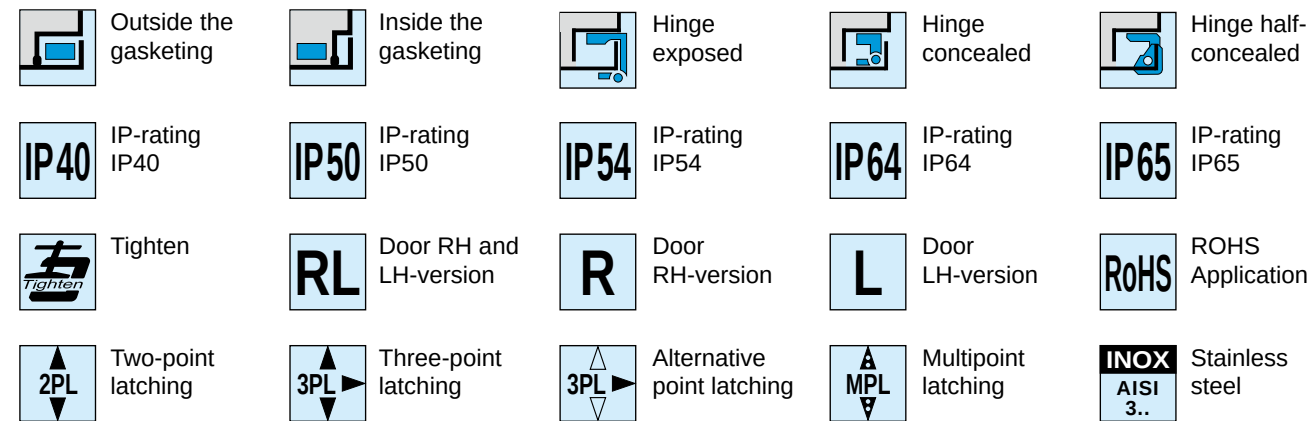
A STRONG SALES NETWORK

With the continued business expansion, Shengjiu has **7** companies which located in city of Beijing, Shanghai, Shenzhen, Wuhan, Qingdao, Ningbo and UAE. It's excellent quality high reputation, prompt service have won trust and favorable comments from a number of clients, and thus build up a reliable brand of Shengjiu(SJ). We own **26** distributors in domestic and **9** distributors in singapore, Japan, Korea, India, Sweden, Germany, Spain, South Africa, and Italy. That make Shengjiu a strong sales network to service for our valuable clients.

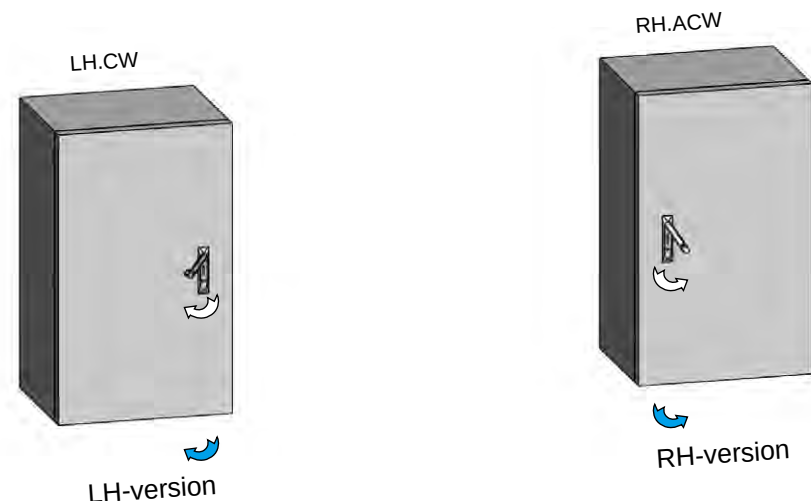
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Hinge								
Seal gasket								

► Explanation of pictograms



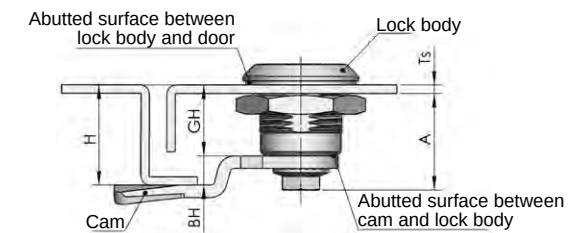
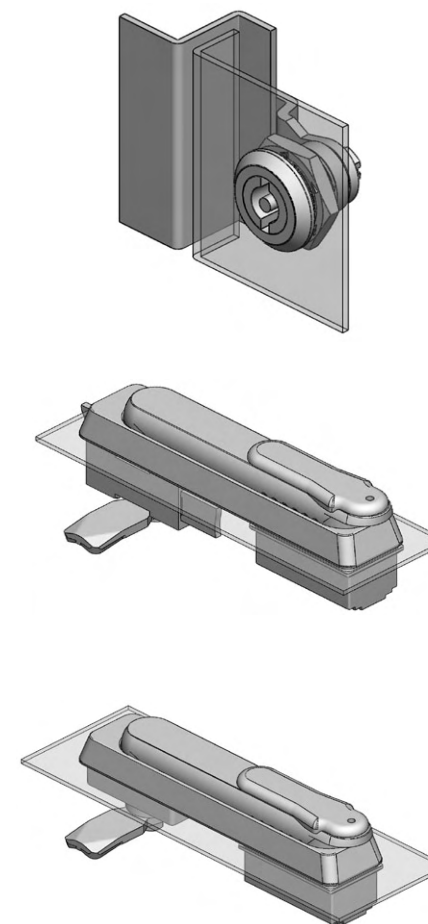
► Explanation of LH and RH version



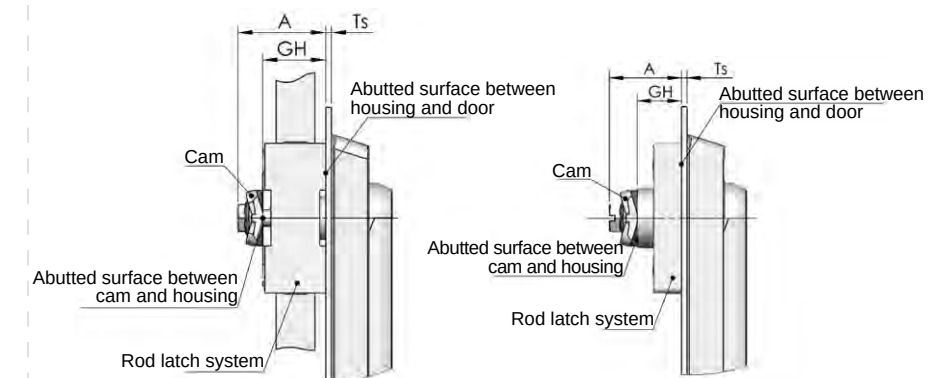
► Abbreviation

Lock: MS	Nut: NT	Right-hand: RH	Brass: Br
Toggle: DK	Vibration proof screw: SW	Anticlockwise rotation: ACW	Zinc die-casting: ZDC
Handle: LS	key: K	Clockwise rotation: CW	Aluminum: ALU
Door stop: TX	Gasket: G	Stroke: Dm	Polyamide: PA
Hinge: CL	Pin: P	Rotation angle: Ra	Polypropylene: PP
Rod: LG	Latch: MB	Powder coated finish: CS	Acrylonitrile Butadiene
Rod accessories: RG	Thickness: Ts	Plated finish: CP	Styrene: ABS
Handle pull: HP	Adjustable distance: Ha	Max-Torque: Tmax	Polycarbonate: PC
Waterproof cap: WP	Stop height: H	Max-load: Fmax	Rubber: RB
Dustproof cap: DP	Groundwork height: GH	Cold rolled steel: CRS	
Profile Insert: TC	Bend height: BH	Spring steel: Fst	
Cam: S	Left-hand: LH	Stainless steel: SUS	

► H and GH specification



GH: the distance A from the abutted surface between lock body and door to the abutted surface between cam and lock body changes when Ts changes.



GH: the distance A from abutted surface between housing and door to the abutted surface between cam and housing is invariable when Ts changes. GH is measured from inboard door. The product is separable structure in common case. $H=GH+BH$

► IP-rating

The IP protection category is characterised by two numerals for protection against contact, foreign objects and water. As defined in IEC60529, the description is following:

1st numeral	Description	2nd numeral	Description
0	Non-protected	0	Non-protected
1	Protected against solid foreign objects with a diameter of 50mm and greater (such as hand)	1	Protected vertically falling water drops (such as condensation water)
2	Protected against solid foreign objects with a diameter of 12.5mm and greater (such as fingers)	2	Protected vertically falling water drops when the enclosure is tilted up to 15°
3	Protected against solid foreign objects with a diameter of 2.5mm and greater (such as tools or thick wires)	3	Protected against splashing water
4	Protected against solid foreign objects with a diameter of 1mm and greater (such as most wires or screws)	4	Protected against splashing water
5	Dust-protected	5	Protected against water jets
6	Dust-tight	6	Protected against powerful water jets
		7	Protected against the effects of temporary immersion in water
		8	Protected against the effects of continuous immersion in water

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

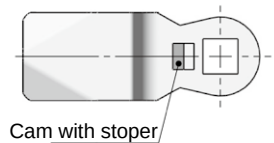
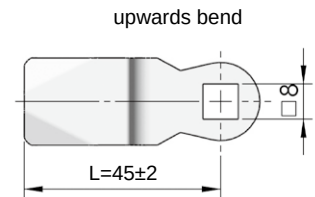
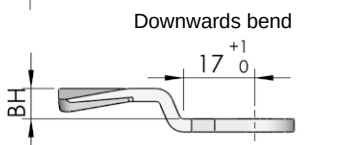
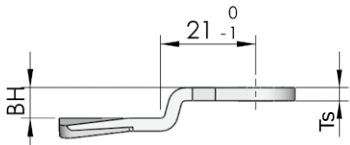
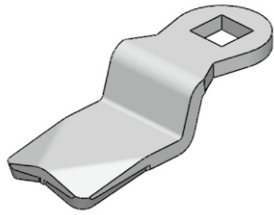
Handles

Door stop

Hinge

Seal gasket

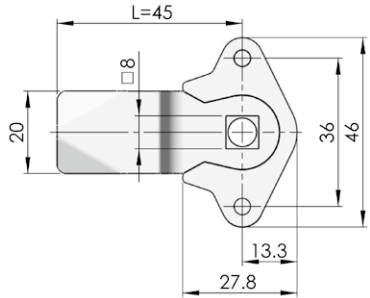
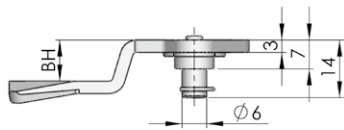
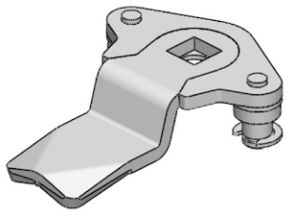
S1B Series



Remark: Default thickness 3mm, please specify on request of other material, center distance and thickness. Code prefixed with D stands for cam with stopper.

Cam code	BH	ERP
	TS=3	
S1B45N02	-2	S1B45N02019
S1B4500	0	S1B45Y00002
S1B4502	2	S1B45Y02002
S1B4504	4	S1B45Y04002
S1B4506	6	S1B45Y06004
S1B4507	7	S1B45Y07002
S1B4508	8	S1B45Y08002
S1B4510	10	S1B45Y10002
S1B4512	12	S1B45Y12002
S1B4514	14	S1B45Y14002
S1B4516	16	S1B45Y16002
S1B4518	18	S1B45Y18004
S1B4520	20	S1B45Y20002

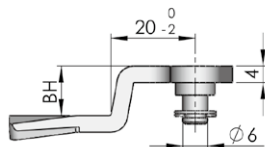
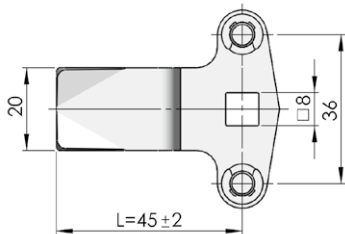
AS3B Series



Remark: Default thickness 3mm, please specify on request of other material, center distance and thickness. Code prefixed with D stands for cam with stopper.

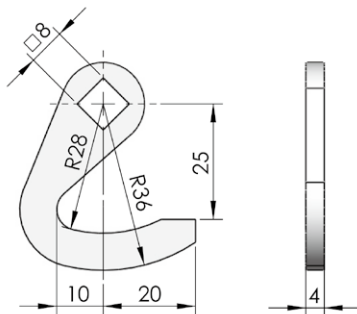
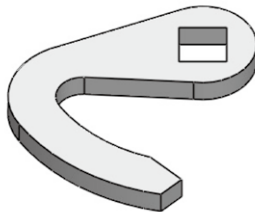
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AS3B45N02	-2	2882452023
AS3B4500	0	2882450015
AS3B4502	2	2882452024
AS3B4504	4	2882452025
AS3B4506	6	2882452026
AS3B4507	7	2882452027
AS3B4508	8	2882452028
AS3B4510	10	2882452029
AS3B4512	12	2882451226
AS3B4514	14	2882452030
AS3B4516	16	2882452031
AS3B4518	18	2882452032
AS3B4520	20	2882452022

S3B Series



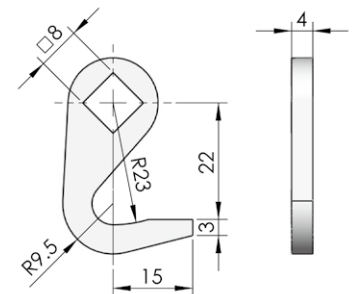
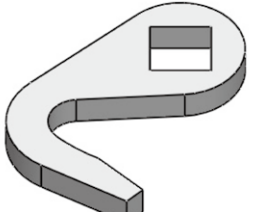
Cam code	BH	ERP
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S3B4504	4	2882450418
S3B4508	8	2882450822
S3B4510	10	2882451020
S3B4512	12	2882451218
S3B4514	14	2882451415
S3B4516	16	2882451611
S3B4520	20	2882452013
S3B4522	22	2882452212

S1B2836H



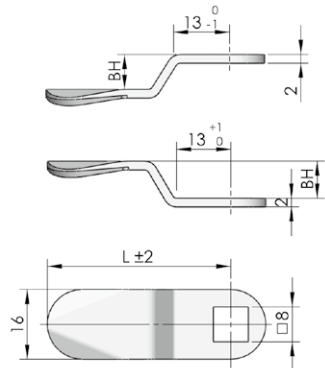
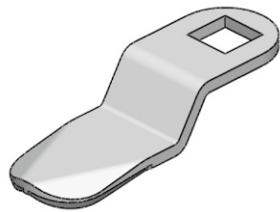
Cam code	Rotation Radius	ERP
S1B2836H	28	S1B28Y36002

S1B2328H



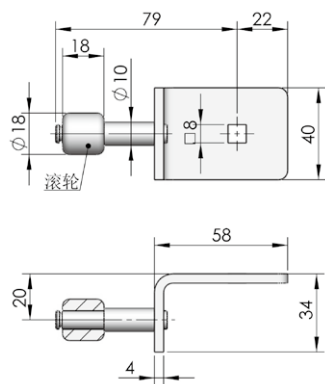
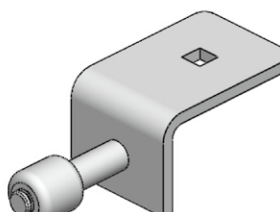
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S1B2328H	23	S1B23Y28002

S1BK Series



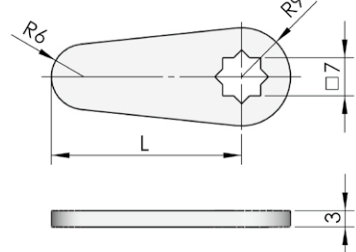
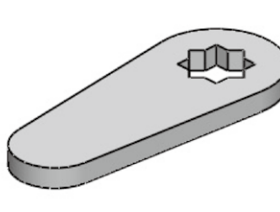
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S1B33N4K	-4	33	S1B33N04001

S1B1179D



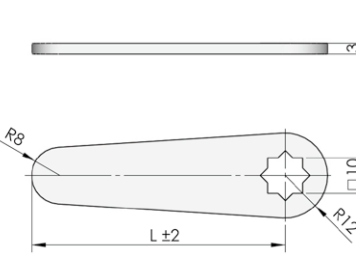
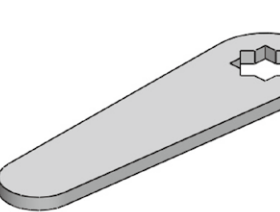
Cam code	BH	Material	ERP
S1B1179D	11	SUS	S1B11Y79003

S1A Series



Cam code	BH	L	ERP
S1A3500	0	35	S1A35Y00005
S1A3900	0	39	S1A39Y00001
S1A7200	0	72	S1A72Y00001

S1C Series



Cam code	BH	L	ERP
S1C4000	0	40	S1C40Y00001
S1C6300	0	63	S1C63Y00002
S1C7200	0	72	S1C72Y00002

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

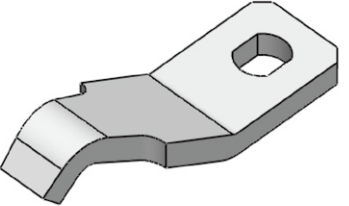
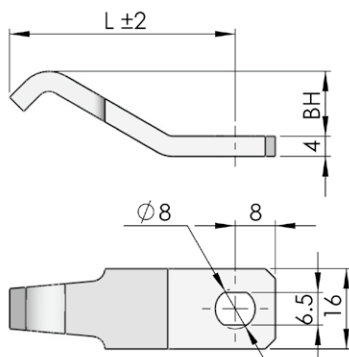
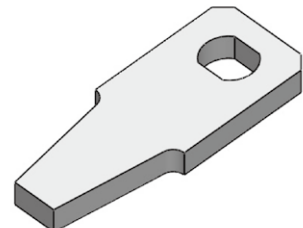
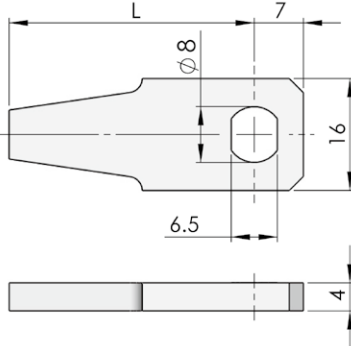
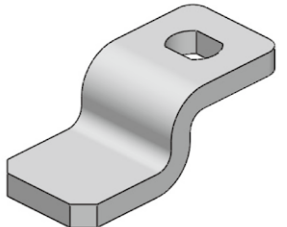
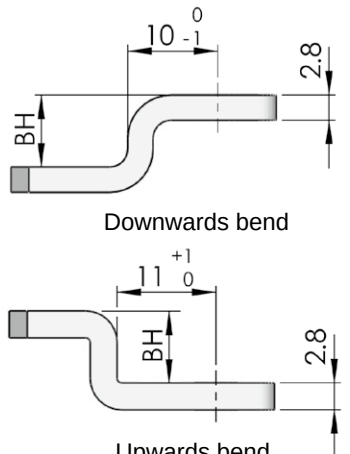
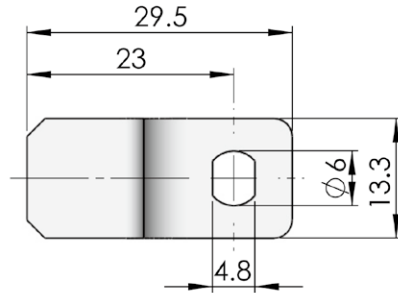
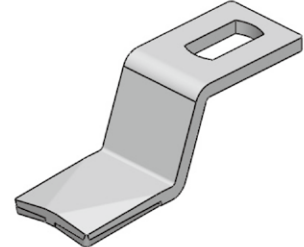
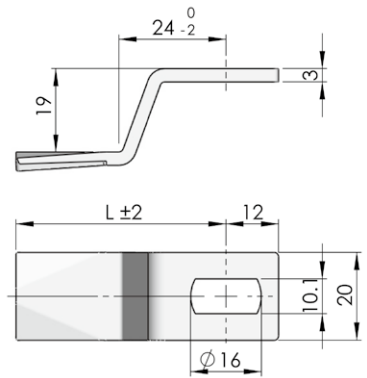
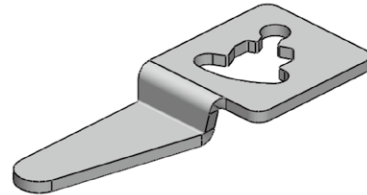
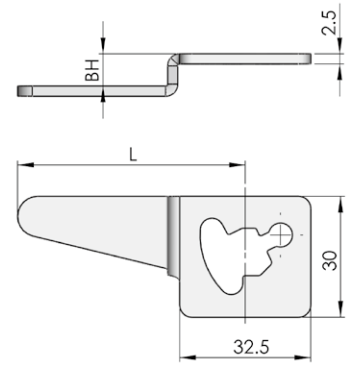
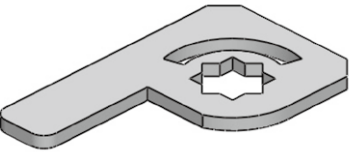
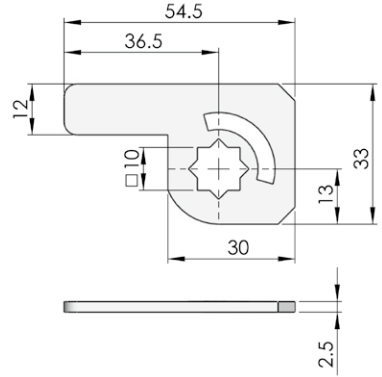
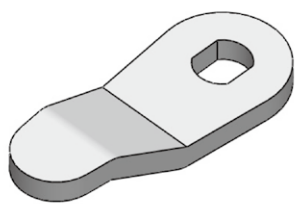
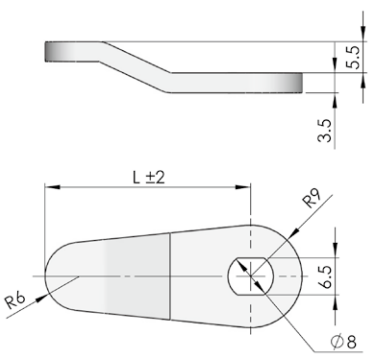
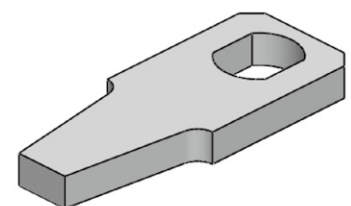
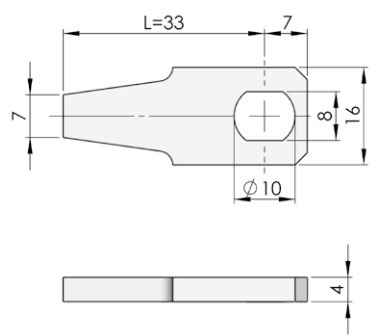
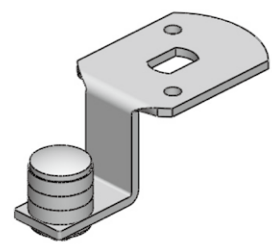
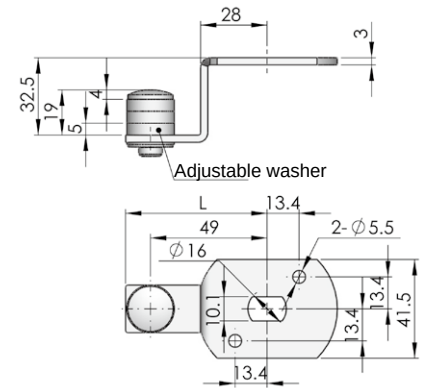
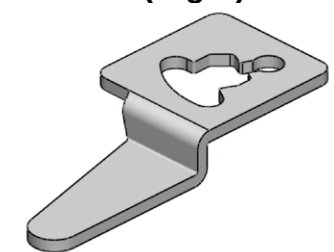
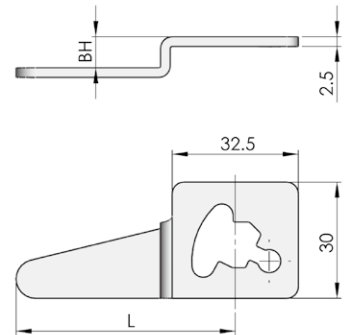
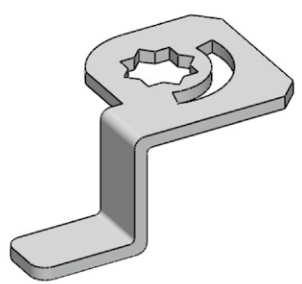
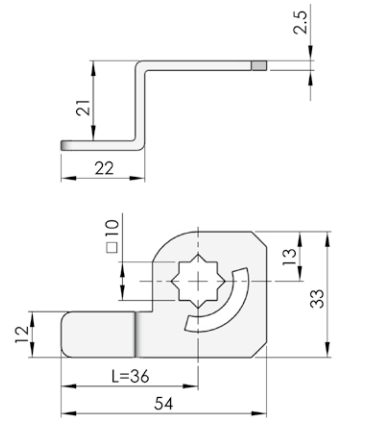
Handles

Door stop

Hinge

Seal gasket

Accessories										Accessories	
Electronic lock									Electronic lock		
Handle lock									Handle lock		
Cylinder lock									Cylinder lock		
Plane lock									Plane lock		
Rod control lock									Rod control lock		
Panel lock									Panel lock		
Toggle and hook									Toggle and hook		
Handles									Handles		
Door stop									Door stop		
Hinge									Hinge		
Seal gasket									Seal gasket		

S1K4513   <table><tr><th>Cam code</th><th>BH</th><th>L</th><th>ERP</th></tr><tr><td>S1K4513</td><td>-13</td><td>45</td><td>S1K45N13003</td></tr></table>					Cam code	BH	L	ERP	S1K4513	-13	45	S1K45N13003	S1K3500   <table><tr><th>Cam code</th><th>BH</th><th>L</th><th>ERP</th></tr><tr><td>S1L3500</td><td>0</td><td>35</td><td>S1K35Y00002</td></tr></table>					Cam code	BH	L	ERP	S1L3500	0	35	S1K35Y00002	S1G Series    <table><tr><th>Cam code</th><th>BH</th><th>L</th><th>ERP</th></tr><tr><td>S1G2300</td><td>0</td><td>23</td><td>S1G23Y00002</td></tr><tr><td>S1G2304</td><td>4</td><td>23</td><td>S1G23Y04002</td></tr><tr><td>S1G2308</td><td>8</td><td>23</td><td>S1G23Y08002</td></tr><tr><td>S1G2312</td><td>12</td><td>23</td><td>S1G23Y12002</td></tr><tr><td>S1G2316</td><td>16</td><td>23</td><td>S1G23Y16002</td></tr><tr><td>S1G2320</td><td>20</td><td>23</td><td>S1G23Y20002</td></tr><tr><td>S1G2304</td><td>-4</td><td>23</td><td>S1G23N04001</td></tr><tr><td>S1G2308</td><td>-8</td><td>23</td><td>S1G23N08005</td></tr><tr><td>S1G2312</td><td>-12</td><td>23</td><td>S1G23N12001</td></tr><tr><td>S1G2316</td><td>-16</td><td>23</td><td>S1G23N16001</td></tr><tr><td>S1G2320</td><td>-23</td><td>23</td><td>S1G23N20005</td></tr></table>					Cam code	BH	L	ERP	S1G2300	0	23	S1G23Y00002	S1G2304	4	23	S1G23Y04002	S1G2308	8	23	S1G23Y08002	S1G2312	12	23	S1G23Y12002	S1G2316	16	23	S1G23Y16002	S1G2320	20	23	S1G23Y20002	S1G2304	-4	23	S1G23N04001	S1G2308	-8	23	S1G23N08005	S1G2312	-12	23	S1G23N12001	S1G2316	-16	23	S1G23N16001	S1G2320	-23	23	S1G23N20005	S1H Series   <table><tr><th>Cam code</th><th>BH</th><th>L</th><th>ERP</th></tr><tr><td>S1H4819</td><td>19</td><td>48</td><td>S1H48Y19001</td></tr></table>					Cam code	BH	L	ERP	S1H4819	19	48	S1H48Y19001	S1D Series(Left)   <table><tr><th>Cam code</th><th>BH</th><th>L</th><th>ERP</th></tr><tr><td>S1D5600Z</td><td>0</td><td>56</td><td>S1D56Y00006</td></tr><tr><td>S1D5608Z</td><td>8</td><td>56</td><td>S1D56Y08002</td></tr><tr><td>S1D5612Z</td><td>12</td><td>56</td><td>S1D56Y12002</td></tr><tr><td>S1D5618Z</td><td>18</td><td>56</td><td>S1D56Y18002</td></tr><tr><td>S1D5628Z</td><td>28</td><td>56</td><td>S1D56Y28001</td></tr></table>					Cam code	BH	L	ERP	S1D5600Z	0	56	S1D56Y00006	S1D5608Z	8	56	S1D56Y08002	S1D5612Z	12	56	S1D56Y12002	S1D5618Z	18	56	S1D56Y18002	S1D5628Z	28	56	S1D56Y28001	S1C3700D   <table><tr><th>Cam code</th><th>BH</th><th>L</th><th>ERP</th></tr><tr><td>S1C3700D</td><td>0</td><td>36.5</td><td>S1C37Y00002</td></tr></table>					Cam code	BH	L	ERP	S1C3700D	0	36.5	S1C37Y00002
Cam code	BH	L	ERP																																																																																																																																		
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S1G2304	4	23	S1G23Y04002																																																																																																																																		
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S1D5608Z	8	56	S1D56Y08002																																																																																																																																		
S1D5612Z	12	56	S1D56Y12002																																																																																																																																		
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S1D5628Z	28	56	S1D56Y28001																																																																																																																																		
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S1K36N06	-6	36	S1K36N06001																																																																																																																																		
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S3H6028	13.5/18.5/23.5/28.5	60	S3H60Y28001																																																																																																																																		
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S1D5618Y	18	56	S1D56Y18005																																																																																																																																		
S1D5628Y	28	56	S1D56Y28005																																																																																																																																		
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S1C3621D	21	36	S1C36Y21002																																																																																																																																		

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

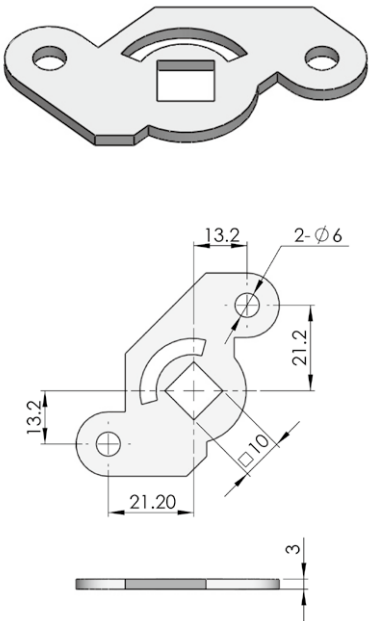
Handles

Door stop

Hinge

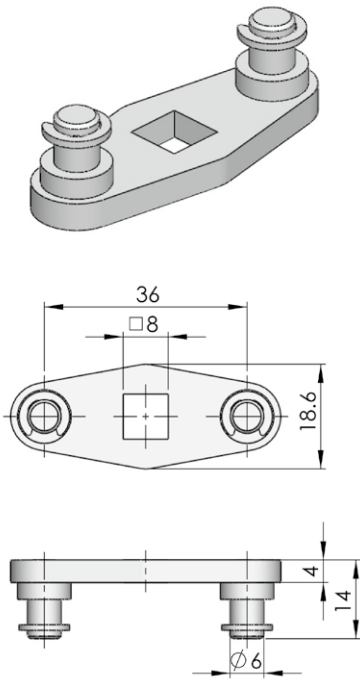
Seal gasket

S2C2100



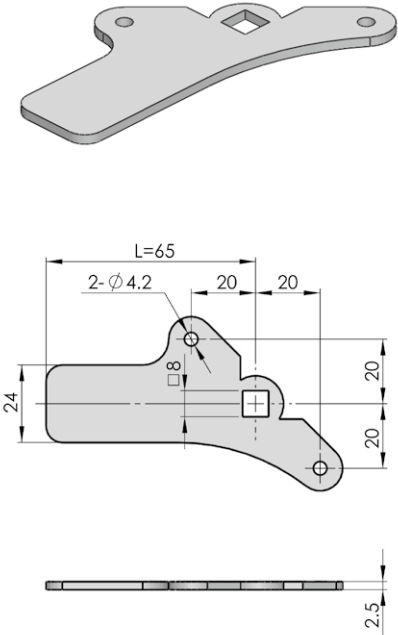
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S2B1800



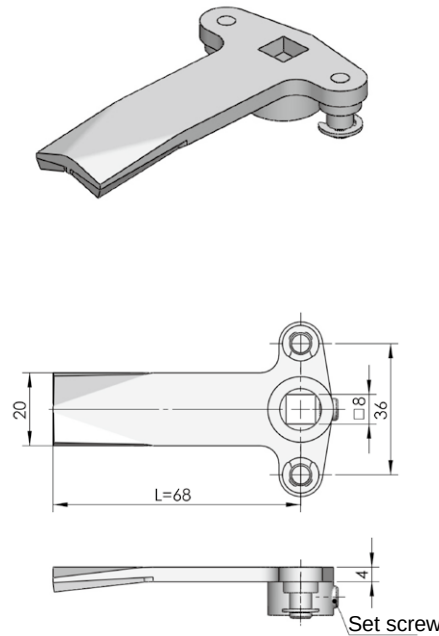
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S3B6500



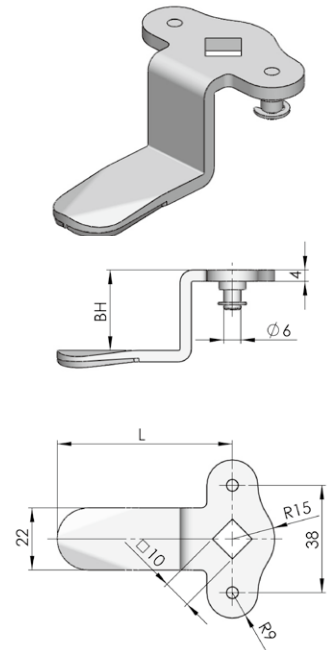
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S3B6800A



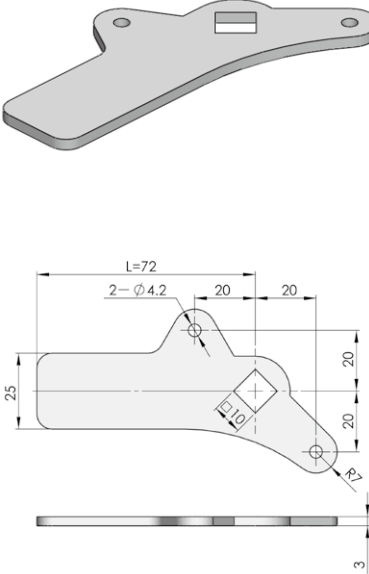
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S3C Series



Cam code	BH	L	ERP
S3C8600	0	86	S3C86Y00002
S3C6527	27	65	S3C65Y27002
S3C4851	51	48	S3C48Y51002

S3C7200



Cam code	BH	L	ERP
S3C7200	0	72	S3C72Y00002

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

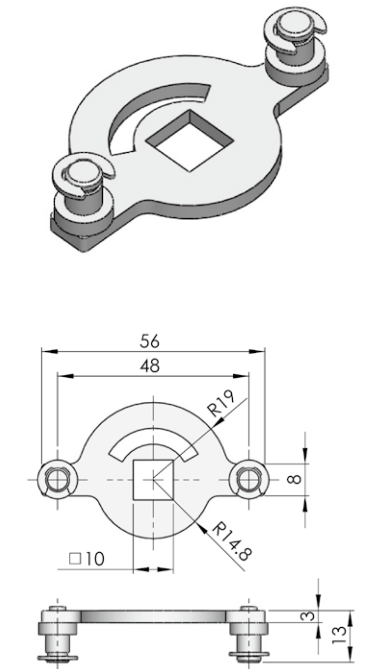
Handles

Door stop

Hinge

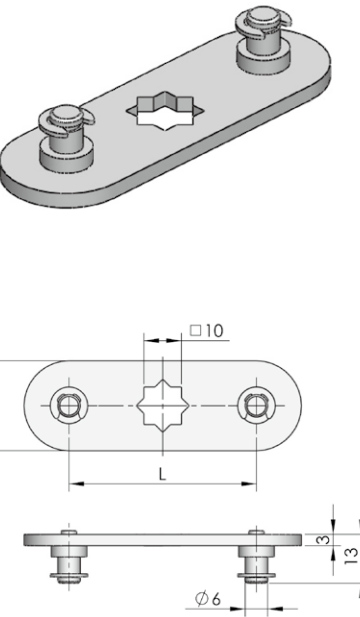
Seal gasket

S2C2400



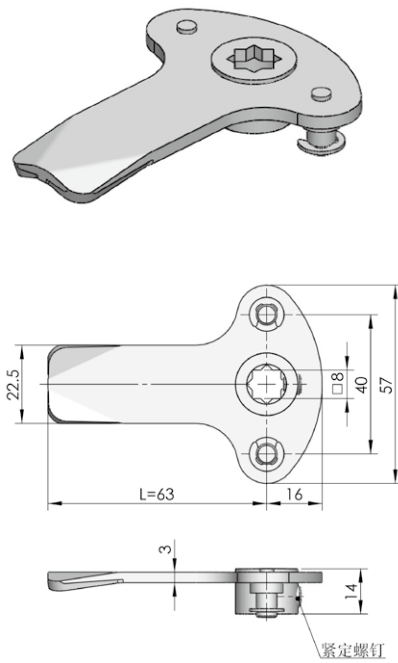
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S2C Series



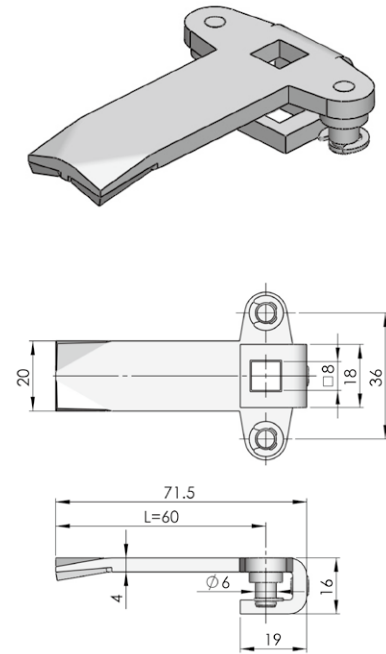
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S2C2500	25	S2C25Y00002

S3B6300A



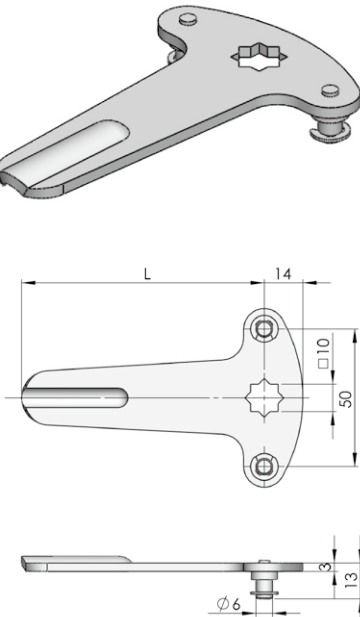
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S3B6000A



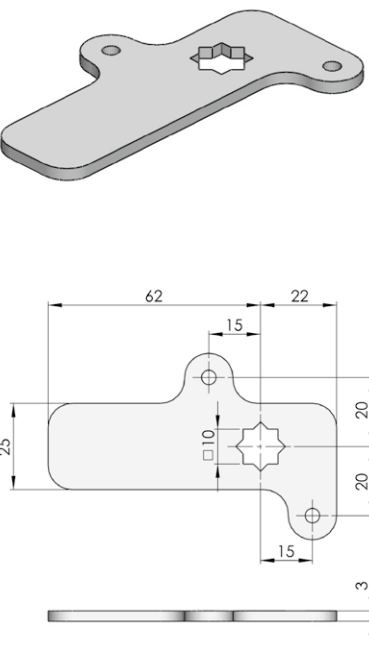
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S3C Series



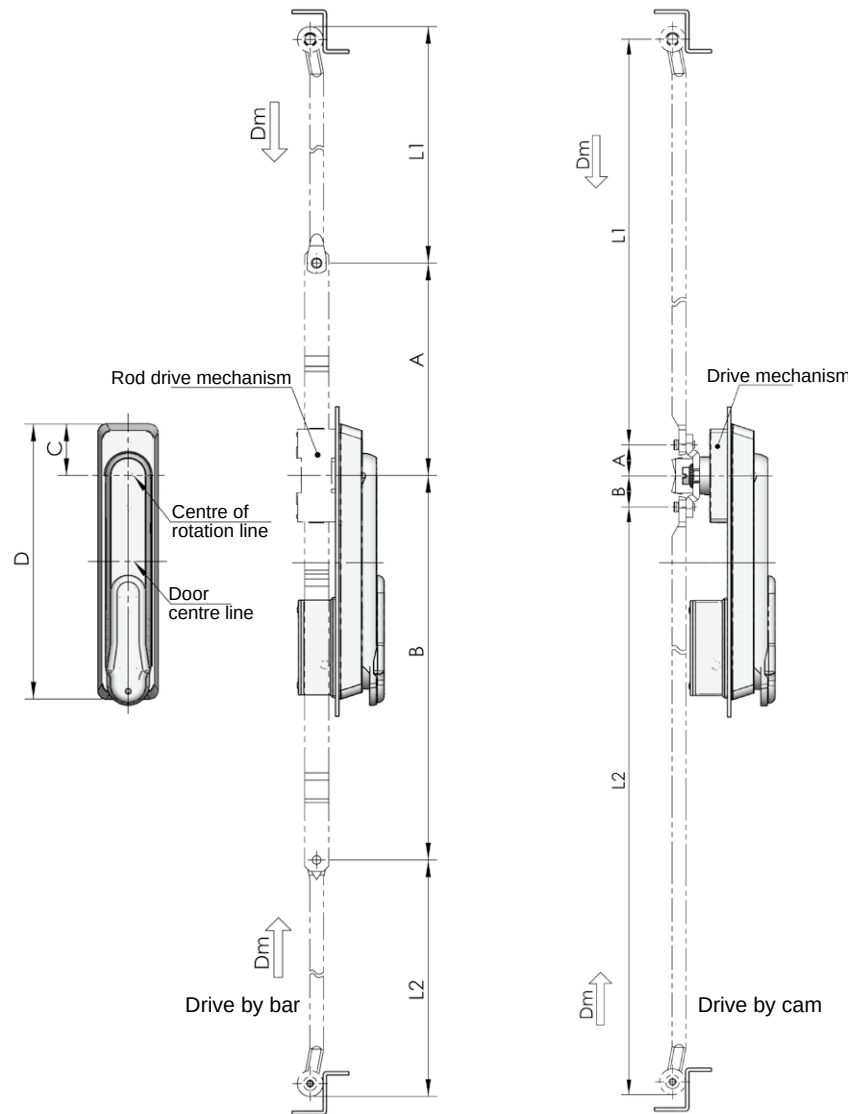
Cam code	BH	L	ERP
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S3C7000	0	70	S3C70Y00002
S3C8800	0	88	S3C88Y00002

S3C6200



Cam code	BH	L	ERP
S3C6200	0	62	S3C62Y00003

Example of rod-latch application



Calculate the length of the rod

Calculation method of coincident length of door center and center line of rotation part

$$L1 = F/2 - A + (Dm - 2)$$

$$L2 = F/2 - B + (Dm - 2)$$

Calculation method of coincident length of door center and center line of lock

$$L1 = F/2 - [A + (D/2 - C)] + (Dm - 2)$$

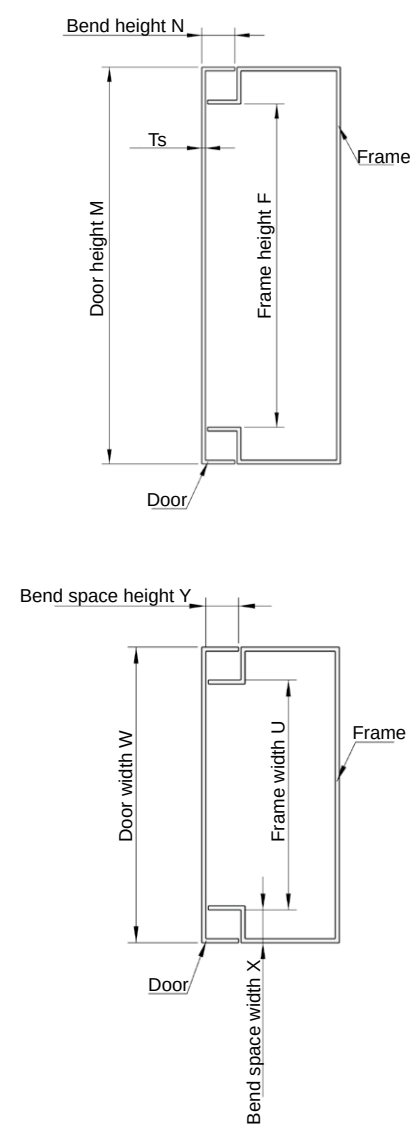
$$L2 = F/2 - [B - (D/2 - C)] + (Dm - 2)$$

Remark: the effective length of connecting piece should be deducted if a connecting piece is needed for fitting. This calculation method is applicable for those rods with seals fitted inside. Be aware of the actual installation conditions when using the above methods.

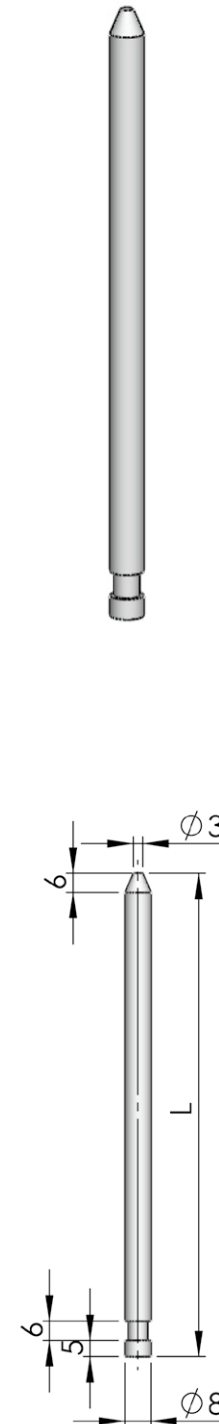
Dm: the code of driving distance

F: door frame height

Cabinet structural sketch



LG001-1



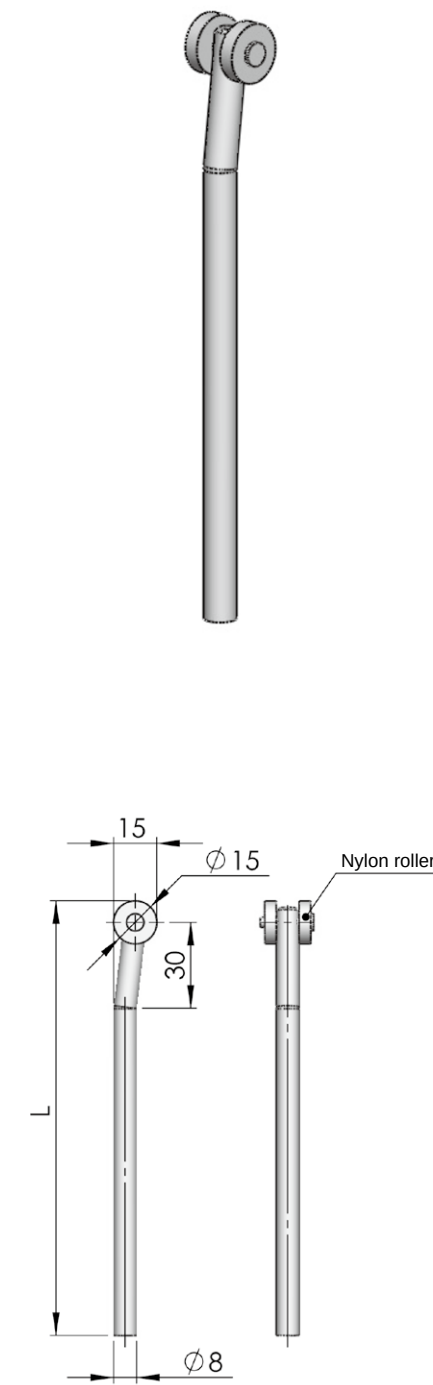
Zinc-plated steel, cone-round rod

ERP

LG001F3D000003

Please specify the rod length "L" purchase

LG001-2



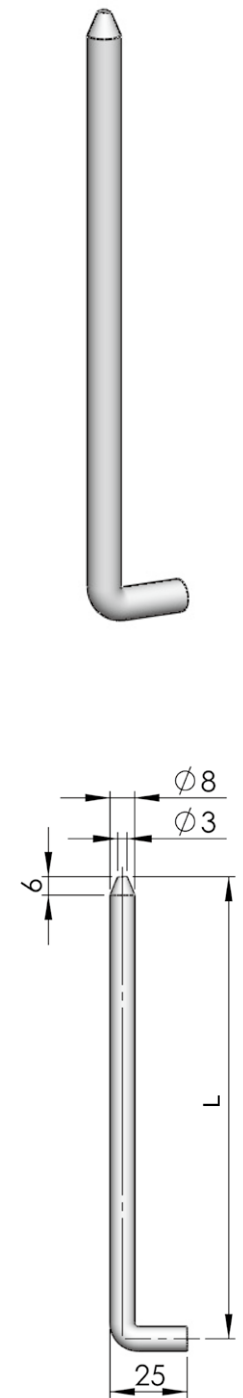
Zinc-plated steel, match with PA roller round rod

ERP

LG001F3D000004

Please specify the rod length "L" purchase

LG001-3



Zinc-plated steel, bend, round rod

ERP

LG001F3D000005

Please specify the rod length "L" purchase

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

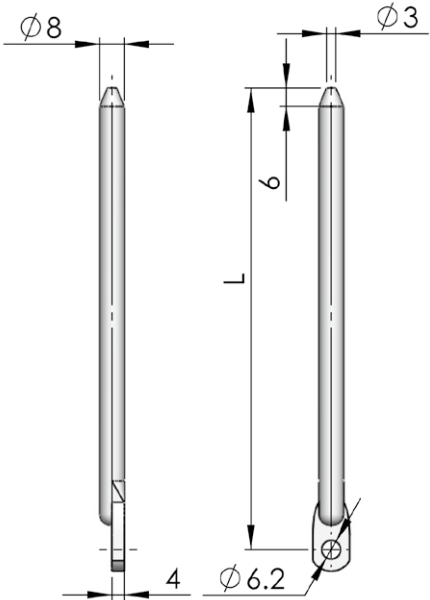
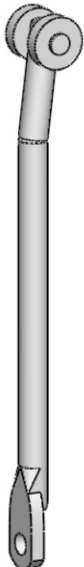
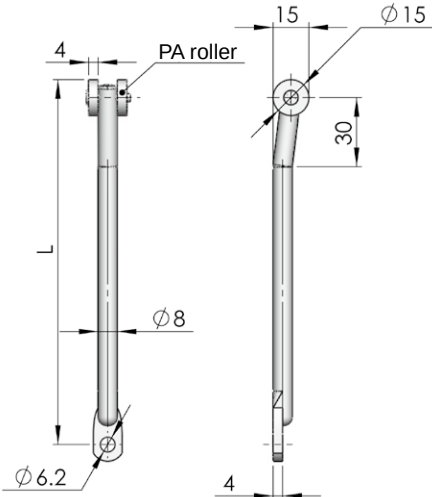
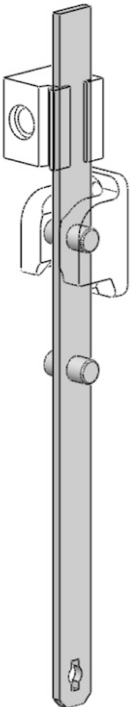
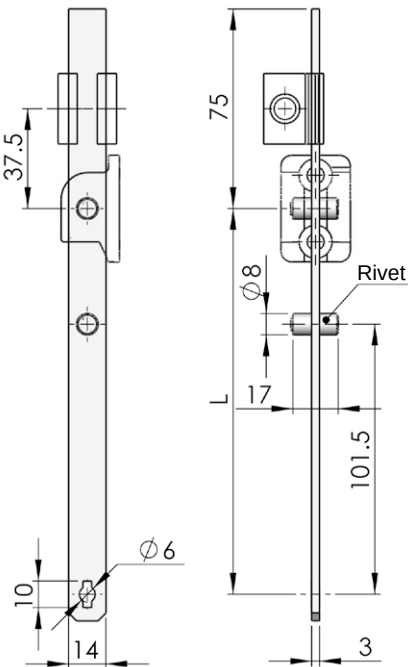
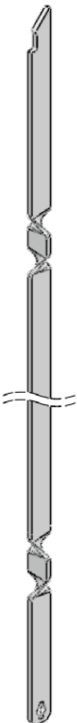
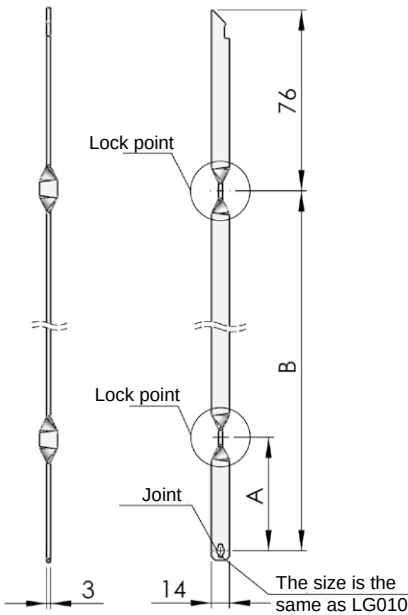
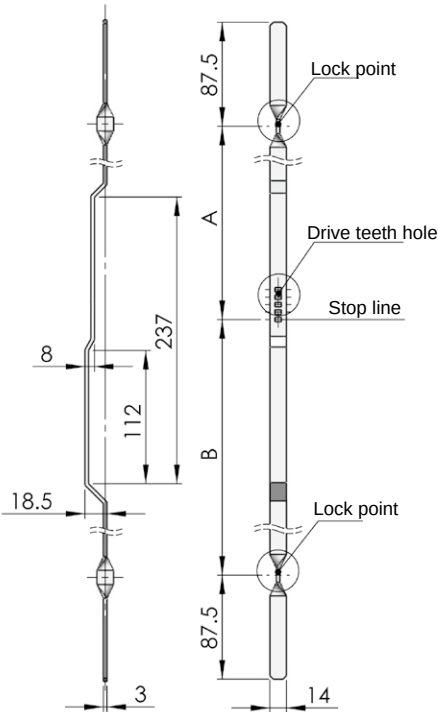
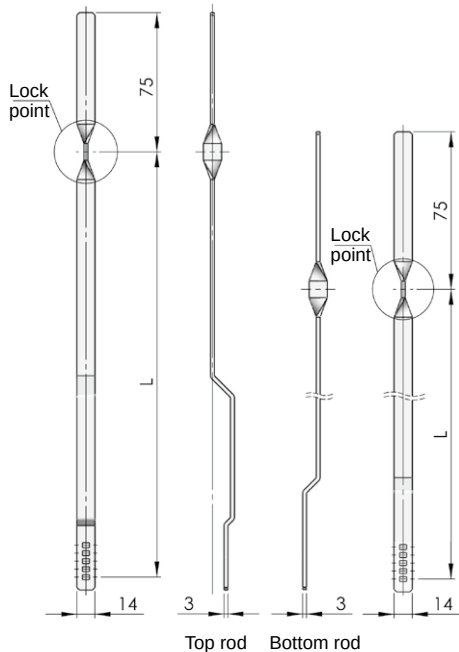
Door stop

Hinge

Seal gasket

Accessories	
Electronic lock	
Handle lock	
Cylinder lock	
Plane lock	
Rod control lock	
Panel lock	
Toggle and hook	
Handles	
Door stop	
Hinge	
Seal gasket	

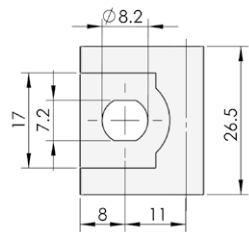
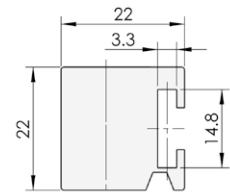
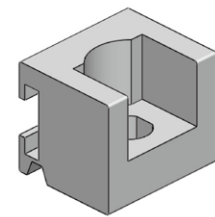
LG002-1	
	

Accessories										Accessories
Electronic lock	Handle lock	Cylinder lock	Plane lock	Rod control lock	Panel lock	Toggle and hook	Handles	Door stop	Hinge	Seal gasket
LG007-A   Zinc-plated steel, cone-round head with hole rod ERP LG007F3D000001 Please specify the rod length "L" purchase LG007-B   Zinc-plated steel, cone-round head with hole rod; with white PA roller ERP LG007F3D000002 Please specify the rod length "L" purchase LG010   Zinc-plated steel, flat rod, refer to accessory chart on request of accessories ERP LG010F3D000001 Please specify the rod length "L" purchase LG011   Zinc-plated steel, flat rod, match with RG003-2 ERP LG011F3D000001 Please specify the rod length "L" purchase LG012   Zinc-plated steel, flat rod, match with RG003-2, used in MS856 ERP LG012F3D000001 Please specify the rod length "L" purchase LG013-A  LG013-B   Zinc-plated steel, flat rod, match with RG003-2, used in MS856 ERP LG013F3D000001 Top rod ERP LG013F3D000002 Bottom rod Please specify the rod length "L" purchase										

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

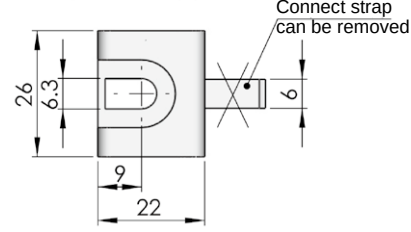
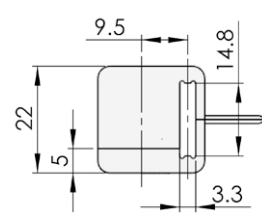
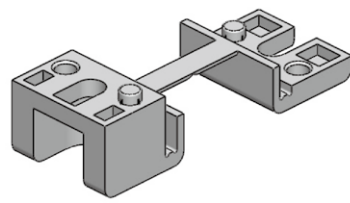
RG001-1



Black PA guide, fix with M6*16~20 weld screw

ERP	Material
1110000001	Black PA

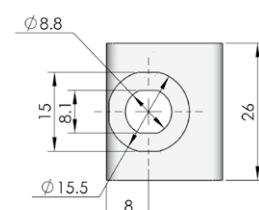
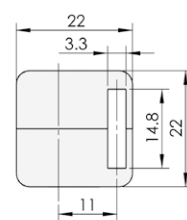
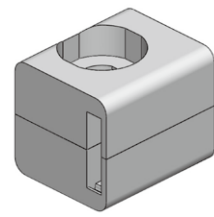
RG001-2



Black PA guide, fix with M6*16~20 weld screw, connect strap can be removed

ERP	Material
1110000002	Black PA

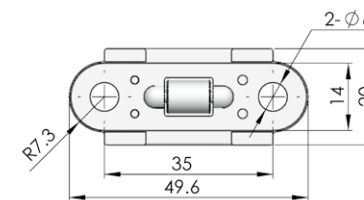
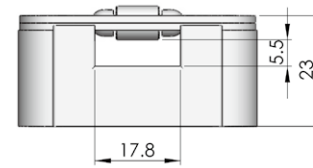
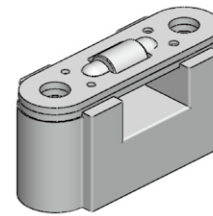
RG001-3



Black PA guide, zinc-plated nut, fix with M6*16~20 weld screw

ERP	Material
1110000003	Black PA

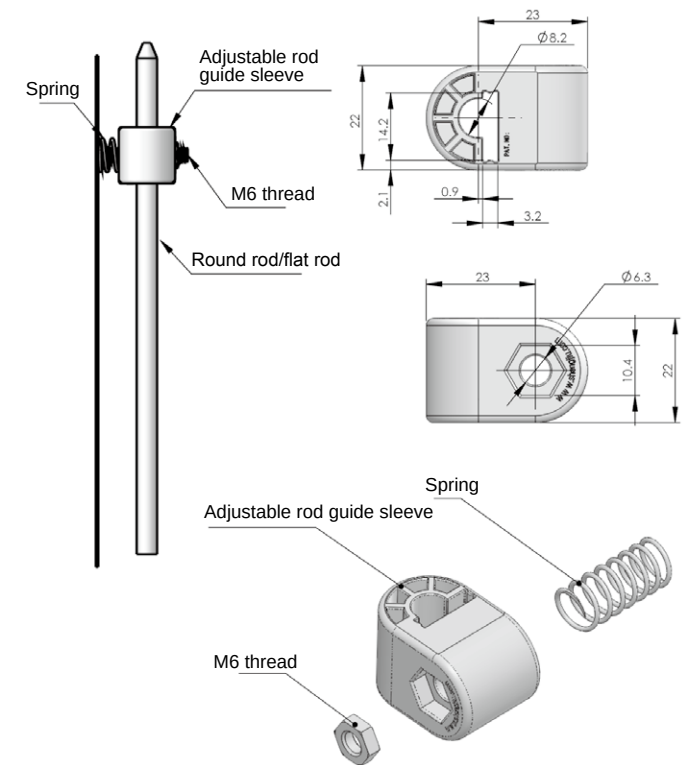
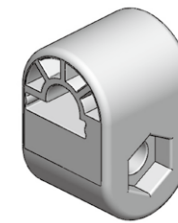
RG001-9



PC guide

ERP	Material
1110010009	PC(White)

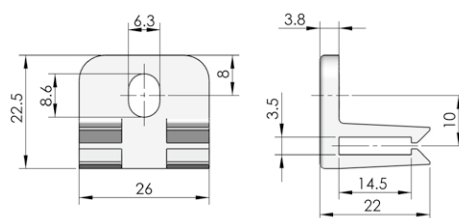
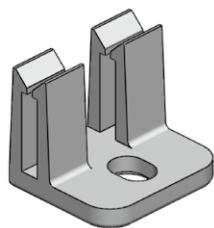
RG010



PA guide

ERP	Material
1110100001	Black PA

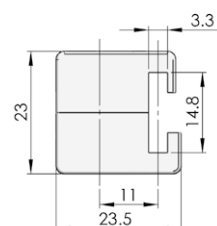
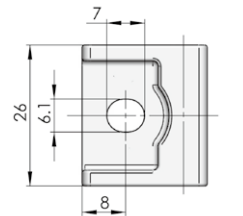
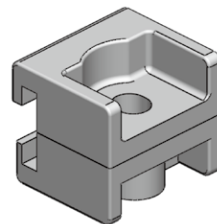
RG001-4



Black PA guide, fix with M6*12 weld screw

ERP	Material
1110000004	Black PA

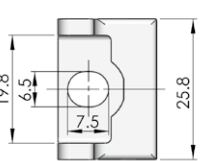
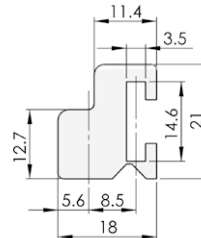
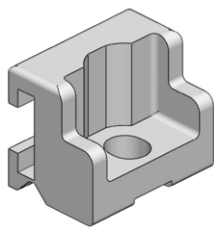
RG001-5



Black PA guide, fix with M6*22 weld screw

ERP	Material
1110010001	Black PA

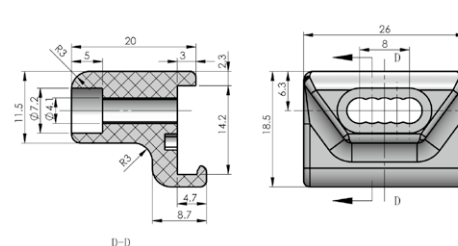
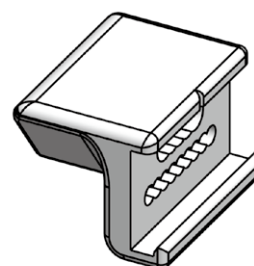
RG001-8



Black PA guide, fix with M6*16~20 weld screw

ERP	Material
1110000006	Black PA

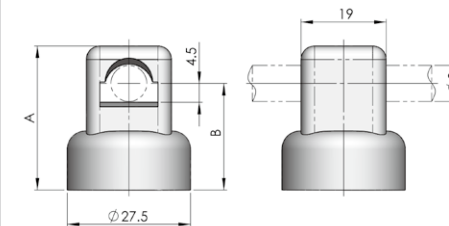
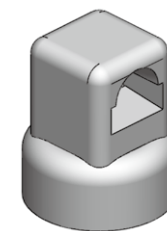
RG001-11



Guide, fix with 3*14 flat rod

ERP	Material
	PA+30%GF(Black)

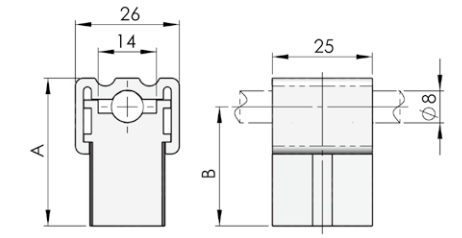
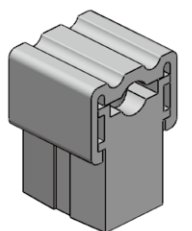
RG002



Black PA guide, nut inside

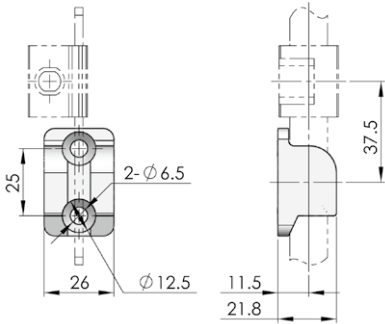
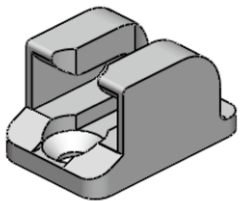
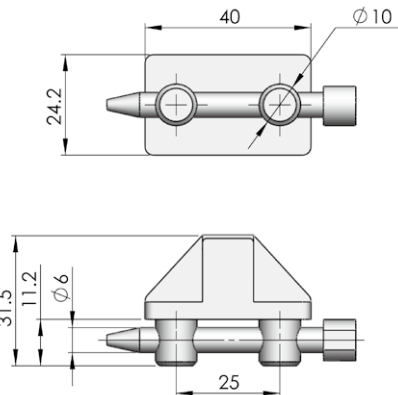
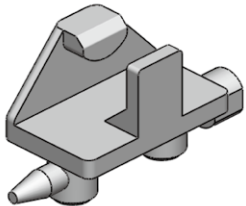
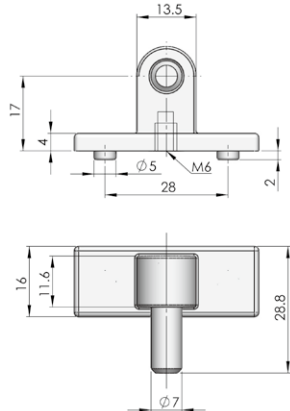
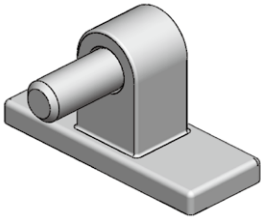
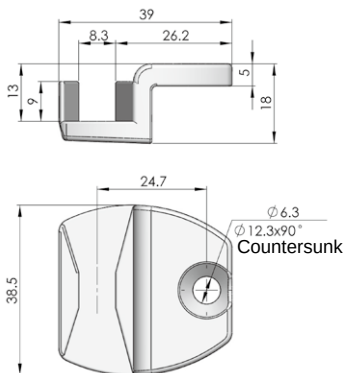
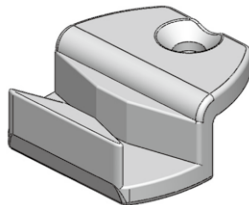
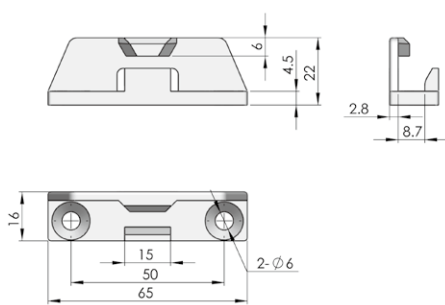
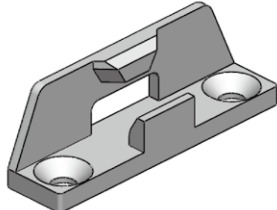
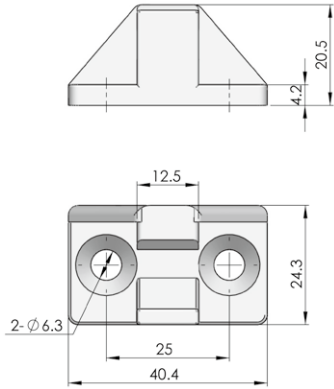
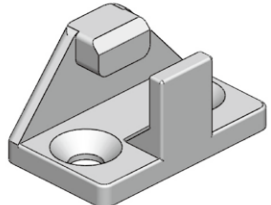
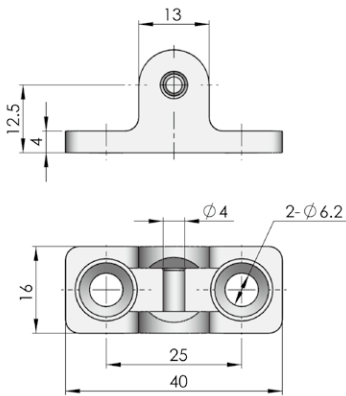
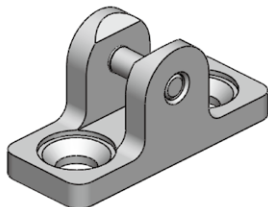
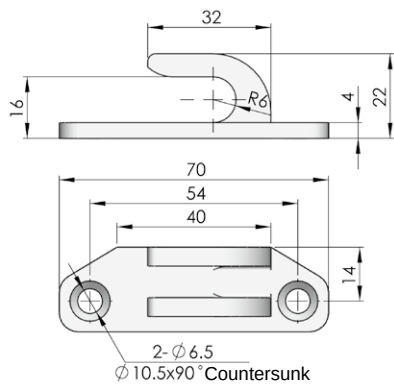
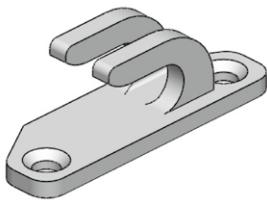
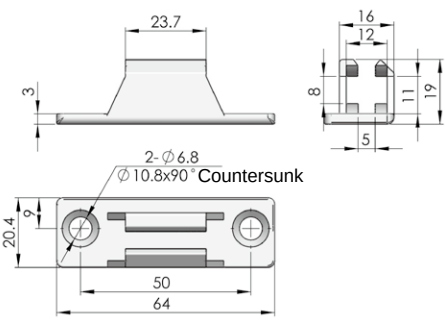
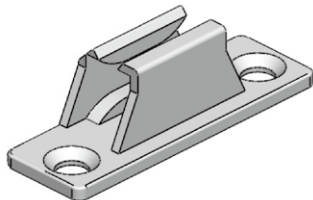
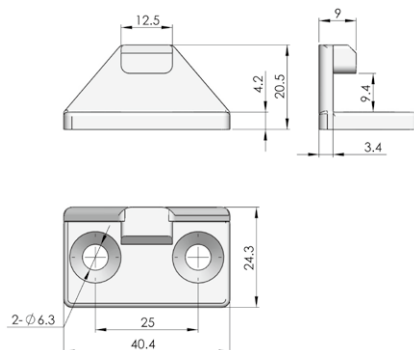
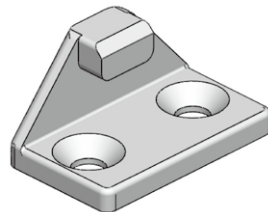
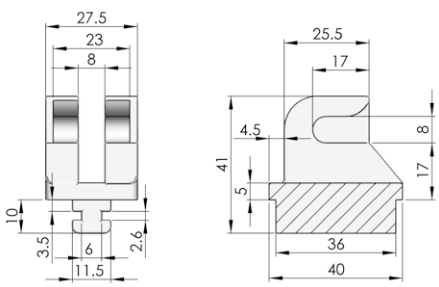
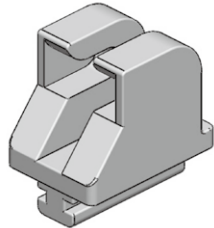
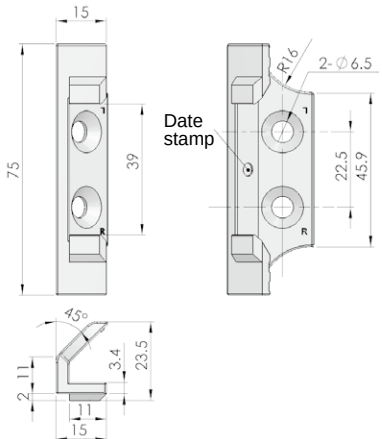
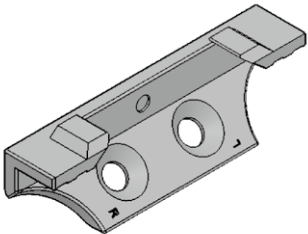
ERP	A	B	Welding screw specification
1110020001	32	24	M6x16
1110020002	38	30	M6x20
1110020003	42	34	M6x20

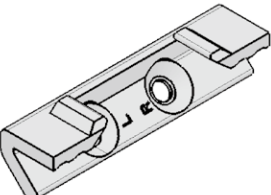
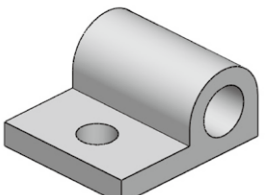
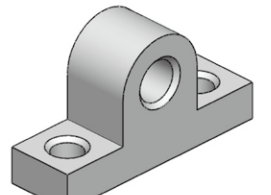
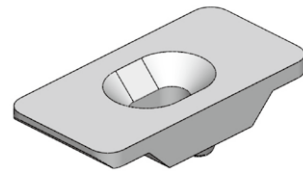
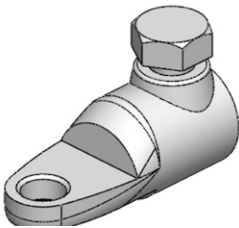
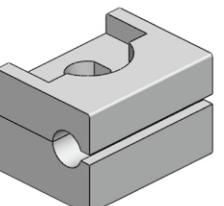
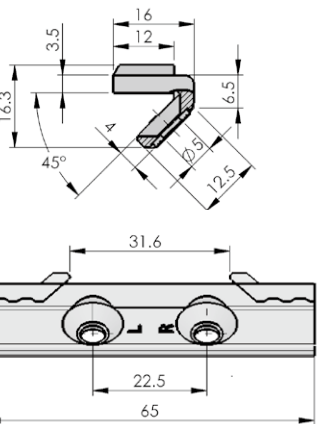
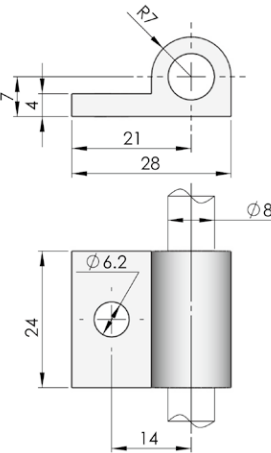
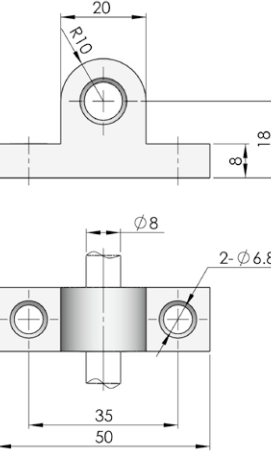
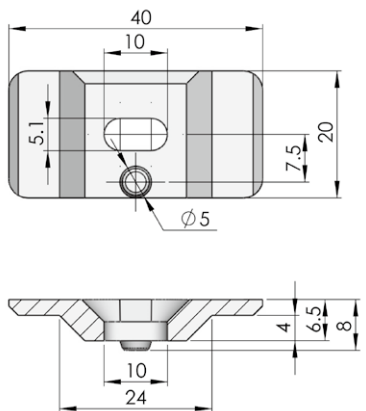
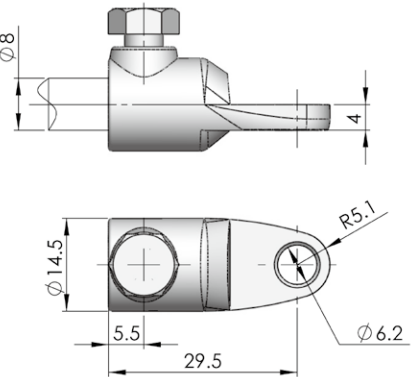
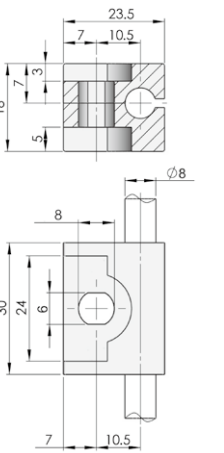
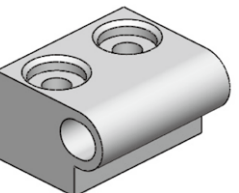
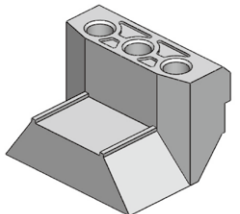
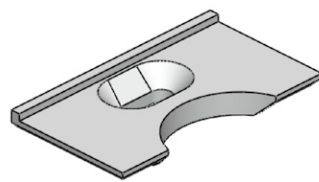
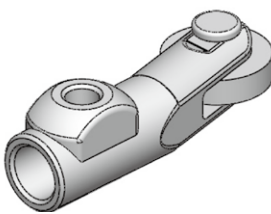
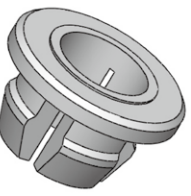
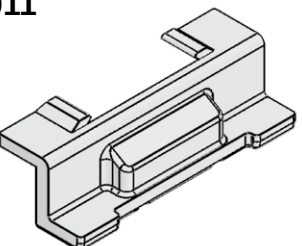
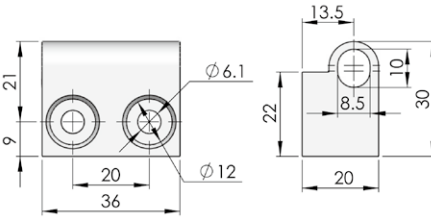
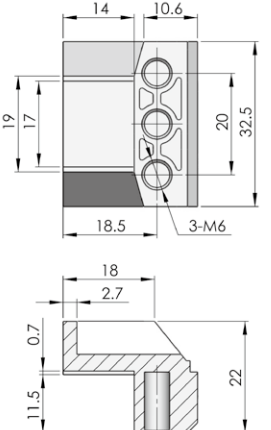
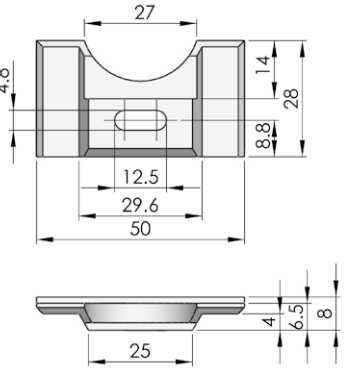
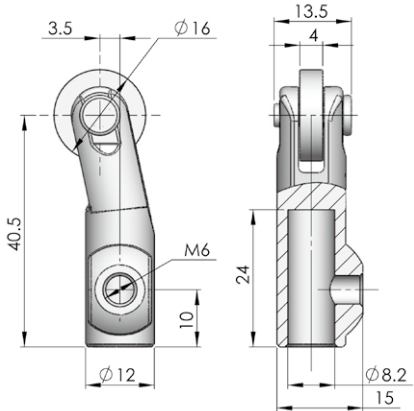
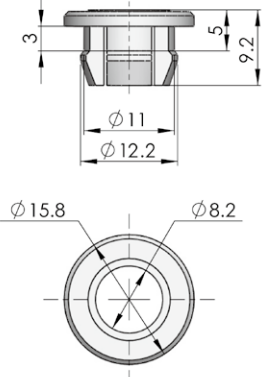
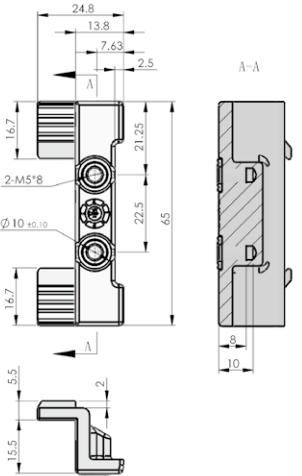
RG002-A



Black PA guide, nut inside, match with flat rod

ERP	A	B	Welding screw specification
1110021102	32	24	M6x16
1110021103	38	30	M6x20

Accessories								Accessories																																																																	
Electronic lock									Electronic lock																																																																
Handle lock									Handle lock																																																																
Cylinder lock									Cylinder lock																																																																
Plane lock									Plane lock																																																																
Rod control lock	RG003-1  Black ZDC catcher, match with the rod white rivet <table><tr><th>ERP</th><th>Material</th></tr><tr><td>1110030001</td><td>ZDC</td></tr></table>								ERP	Material	1110030001	ZDC	RG003-2  Black ZDC clip catcher, PA pin ,fit with 2MM door <table><tr><th>ERP</th><th>Material</th></tr><tr><td>1110030002</td><td>ZDC</td></tr></table>								ERP	Material	1110030002	ZDC	RG003-3  Zinc plated ZDC catcher,Zinc plated steel pin, fixed with M6 screw. <table><tr><th>ERP</th><th>Material</th></tr><tr><td>1110030003</td><td>ZDC</td></tr></table>								ERP	Material	1110030003	ZDC	RG003-7  Zinc plated ZDC catcher, fixed with M6 countersunk head screw. <table><tr><th>ERP</th><th>Material</th></tr><tr><td>1110030007</td><td>ZDC</td></tr></table>								ERP	Material	1110030007	ZDC	RG003-8  Zinc plated ZDC cassette catcher, fixed with M6 countersunk head screw. <table><tr><th>ERP</th><th>Material</th></tr><tr><td>1110030008</td><td>ZDC</td></tr></table>								ERP	Material	1110030008	ZDC	RG003-9  Zinc plated ZDC Cassette fixed buckle, fixed with M6countersunk head screw. <table><tr><th>ERP</th><th>Material</th></tr><tr><td>1110030009</td><td>ZDC</td></tr></table>								ERP	Material	1110030009	ZDC	Rod control lock
ERP	Material																																																																								
1110030001	ZDC																																																																								
ERP	Material																																																																								
1110030002	ZDC																																																																								
ERP	Material																																																																								
1110030003	ZDC																																																																								
ERP	Material																																																																								
1110030007	ZDC																																																																								
ERP	Material																																																																								
1110030008	ZDC																																																																								
ERP	Material																																																																								
1110030009	ZDC																																																																								
Panel lock	RG003-4  Zinc plated ZDC catcher,stainless steel pin, fixed with M6 screw. <table><tr><th>ERP</th><th>Material</th></tr><tr><td>1110030004</td><td>ZDC</td></tr></table>								ERP	Material	1110030004	ZDC	RG003-5  Zinc plated ZDC catcher, fixed with M6 countersunk head screw, match with the rod with roller. <table><tr><th>ERP</th><th>Material</th></tr><tr><td>1110030005</td><td>ZDC</td></tr></table>								ERP	Material	1110030005	ZDC	RG003-6  Zinc plated ZDC catcher, fixed with M6 countersunk head screw, match with locking pin flat rod. <table><tr><th>ERP</th><th>Material</th></tr><tr><td>1110030006</td><td>ZDC</td></tr></table>								ERP	Material	1110030006	ZDC	RG003-10  Zinc plated ZDC Cassette fixed buckle, fixed with M6 countersunk head screw. <table><tr><th>ERP</th><th>Material</th></tr><tr><td>1110030010</td><td>ZDC</td></tr></table>								ERP	Material	1110030010	ZDC	RG003-11  Zinc plated ZDC catcher, fixed with M6 countersunk head screw, match with locking pin flat rod. <table><tr><th>ERP</th><th>Material</th></tr><tr><td>1110030012</td><td>ZDC</td></tr></table>								ERP	Material	1110030012	ZDC	RG003-14  Cam catcher; L and R available <table><tr><th>ERP</th><th>Material</th></tr><tr><td></td><td>ZDC</td></tr></table>								ERP	Material		ZDC	Panel lock
ERP	Material																																																																								
1110030004	ZDC																																																																								
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1110030005	ZDC																																																																								
ERP	Material																																																																								
1110030006	ZDC																																																																								
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ERP	Material																																																																								
1110030012	ZDC																																																																								
ERP	Material																																																																								
	ZDC																																																																								
Toggle and hook									Toggle and hook																																																																
Handles									Handles																																																																
Door stop									Door stop																																																																
Hinge									Hinge																																																																
Seal gasket									Seal gasket																																																																

Accessories											
Electronic lock											
Handle lock											
Cylinder lock											
Plane lock											
Rod control lock											
Panel lock											
Toggle and hook											
Handles											
Door stop											
Hinge											
Seal gasket											
RG003-15		RG004-1		RG004-2		RG005-3		RG006-1		RG006-2	
											
											
ERP		ERP		ERP		ERP		ERP		ERP	
Material		Material		Material		Material		Material		Material	
2240030001		1110040001		1110040002		1110050003		1110061001		1110060002	
ZDC		Black PA		White ABS		ZDC		ZDC		Black PA	
PA guider		PA guider		PA guider		Cam catcher,match with S1A1403.		Zinc plated ZDC,connect accessories,Zinc plated steel,M6 set screw.		PA guider	
2240030001		1110040001		1110040002		1110050003		1110061001		1110060002	
ZDC		Black PA		White ABS		ZDC		ZDC		Black PA	
RG004-3		RG005-1		RG005-2		RG007		RG008		RG011	
											
											
ERP		ERP		ERP		ERP		ERP		ERP	
Material		Material		Material		Material		Material		Material	
1110040003		1110050001		1110050002		1110070001		1110080001		2130110001	
Black ABS		ZDC		ZDC		ZDC/PA		Black PA		ZDC	
Black ABS guider		ZDC fix catcher,match with LG002-1/2.		Cam fix fastener,match with S1A1403.		ZDC connect cover, nylon rolle, match with LG001-1 and LG003.		Nylon guide,match with Ø8 mm round rod.		ZDC Guide	
1110040003		1110050001		1110050002		1110070001		1110080001		2130110001	
Black ABS		ZDC		ZDC		ZDC/PA		Black PA		ZDC	

ERP	Material
1150010002	Zinc plated ZDC/SUS

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

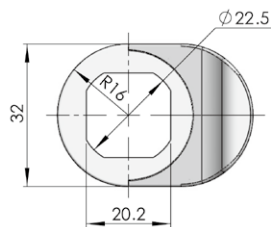
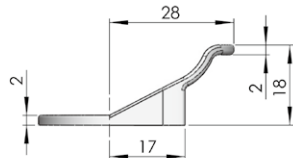
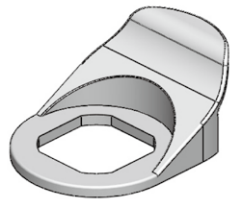
Handles

Door stop

Hinge

Seal gasket

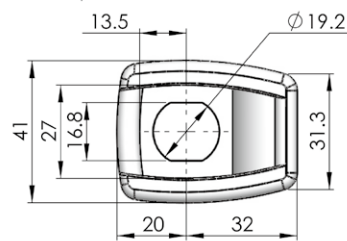
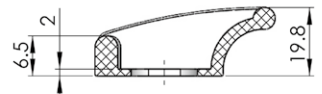
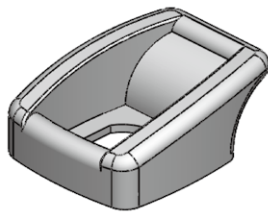
HP001



Black PA handle pull

ERP	Material
1150010003	Black PA

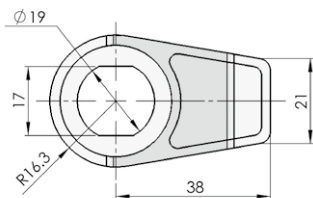
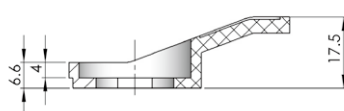
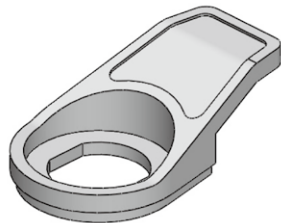
HP002



Black rubber handle pull

ERP	Material
1150020002	RB

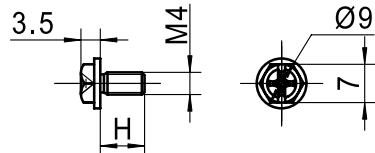
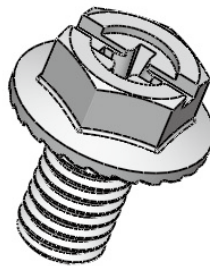
HP003



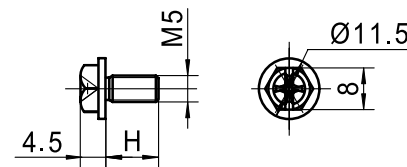
Black PP handle pull

ERP	Material
1150030002	Black PP

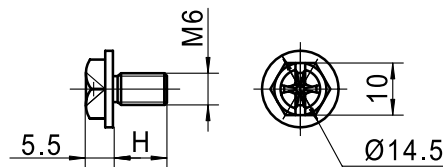
Locking screw



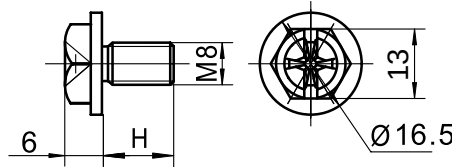
Washer screw size	H
M4 x 8	8



Washer screw size	H
M6 x 5	5
M6 x 8	8
M6 x 10	10
M6 x 12	12

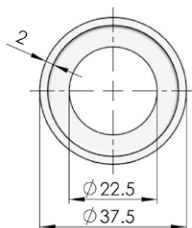
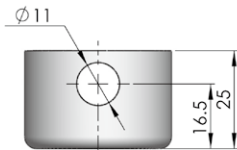
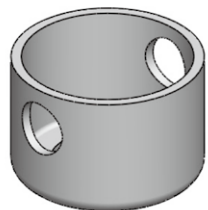


Washer screw size	H
M6 x 8	8
M6 x 10	10
M6 x 27	27
M6 x 55	55



Washer screw size	H
M8 x 12	12

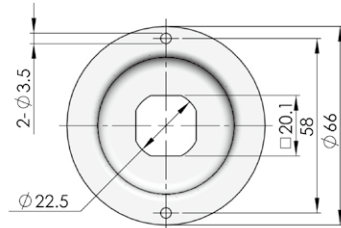
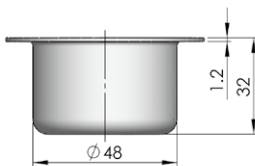
A3001



Cannula

ERP	Material
1153001001	SUS
1153001002	Pocked black powder Q235

A3002



Zinc plated steel seating, applicable for locks similar to MS705

ERP	Material
1110040001	Zinc plated Q235

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

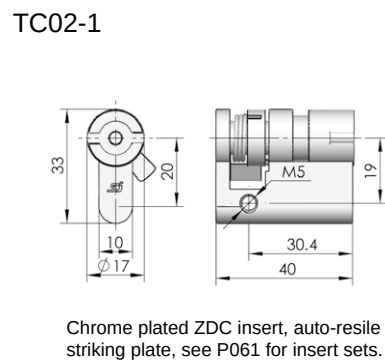
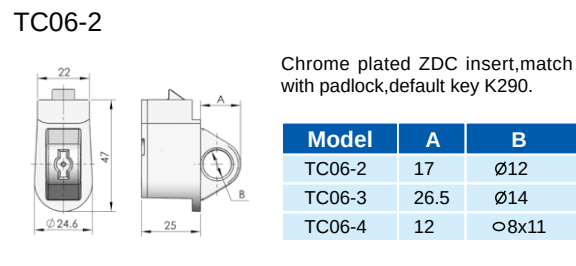
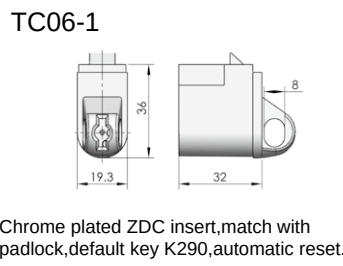
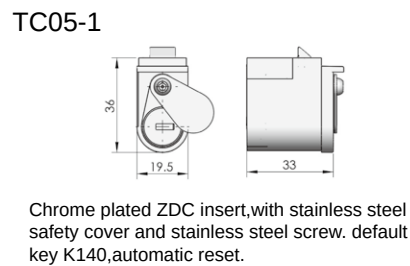
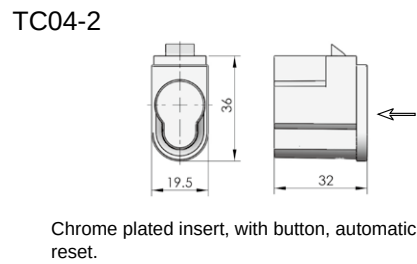
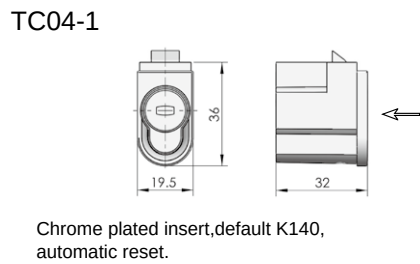
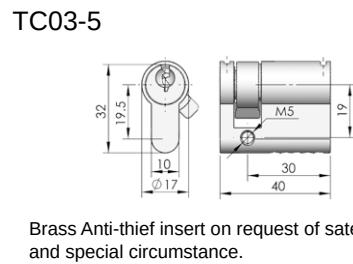
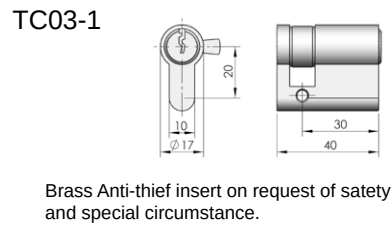
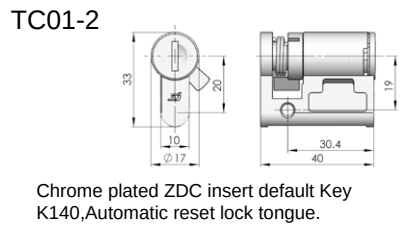
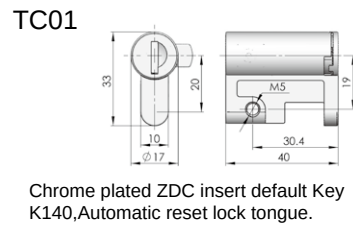
Handles

Door stop

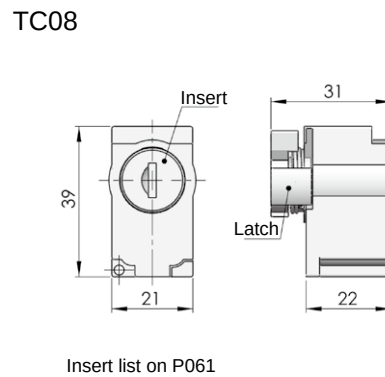
Hinge

Seal gasket

Cylinder insert

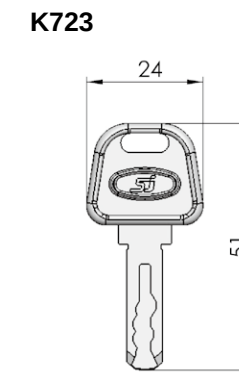
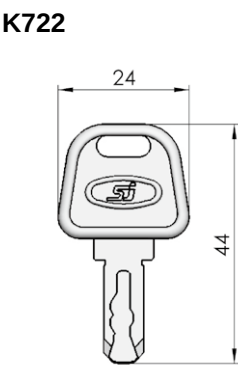
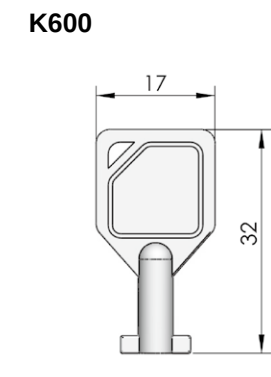
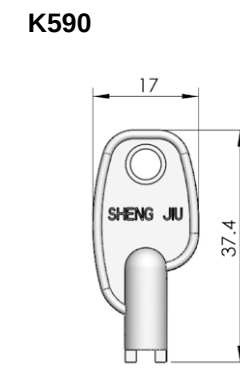
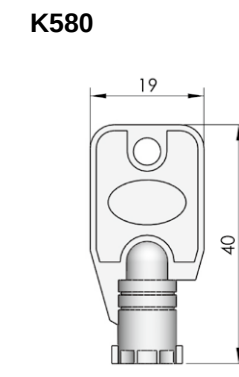
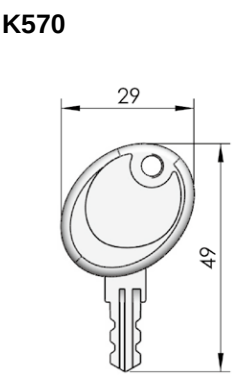
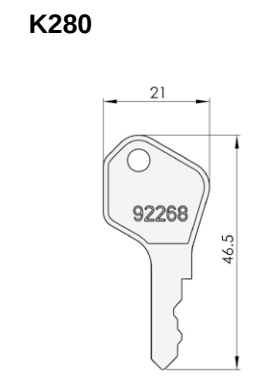
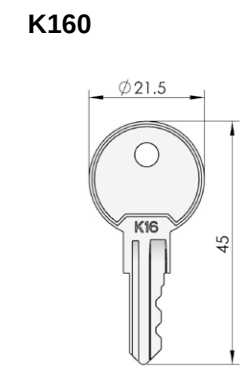
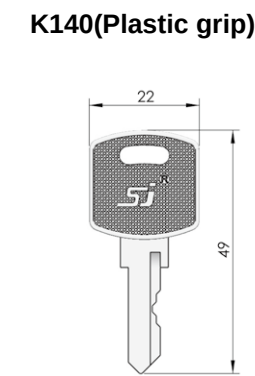
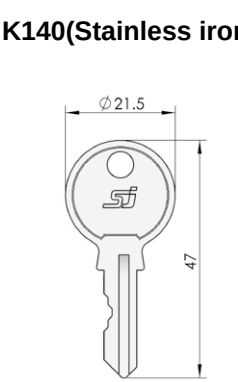
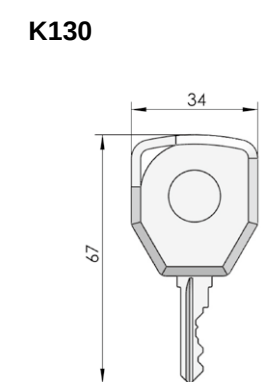
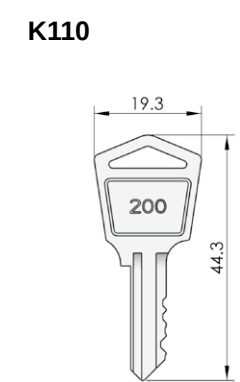
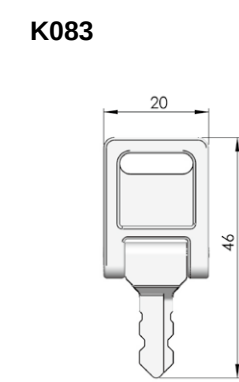


Specification		Code	Key Code
Insert insert	Double bit 4mm	TC02-1	K15-1/K15-1F/K15-1A
	Double bit 3mm	TC02-1A	K15-1/K15-1F/K15-1A
	Hooked	TC02-2	K15-1
	Triangular 8mm	TC02-3	K15-3/K15-3F
	Square 8mm	TC02-4	K15-4/K15-4F
	Square 8mm with slot	TC02-4A	K15-4/K15-4F
	Square 6mm	TC02-5	K15-5/K15-5F/K15-5A
	Square 7mm	TC02-6	K15-6/K15-6F
	Socket Hexagon	TC02-7	K15-7/K15-7F
	Slot	TC02-8	
	Hexagon	TC02-9	K15-9/K15-9F
	Thron	TC02-10	K15-10
	Oblate-type	TC02-11	K15-11
	Triangular 7mm	TC02-12	K15-3/K15-3F



Specification		Code	Key Code
Insert insert	Anti-thief insert	TC08-A1	K14/K19
	Double bit 4mm	TC08-B1	K15-1/K15-1F/K15-1A
	Double bit 3mm	TC08-B1A	K15-1/K15-1F/K15-1A
	Hooked	TC08-B2	K15-1
	Triangular 8mm	TC08-B3	K15-3/K15-3F
	Square 8mm	TC08-B4	K15-4/K15-4F
	Square 8mm with slot	TC08-B4A	K15-4/K15-4F
	Square 6mm	TC08-B5	K15-5/K15-5F/K15-5A
	Square 7mm	TC08-B6	K15-6/K15-6F
	Socket Hexagon	TC08-B7	K15-7/K15-7F
	Slot	TC08-B8	
	Hexagon	TC08-B9	K15-9/K15-9F
	Thron	TC08-B10	K15-10
	Oblate-type	TC08-B11	K15-11
	Triangular 7mm	TC08-B12	K15-3/K15-3F

Key series



Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

Seal gasket

028

Key different list

Key code	Applicable products model	Key different ifferentantity	Remark
K72-2	MS829	10 Sets	Rod control lock
	MS819, MS828, MS831	200 Sets	
	MS712, MS712-Q, MS713, MS727	200 Sets	Panel lock
K72-3	TC01, TC04, TC05, TC05-2	500 Sets	Cylinder
	MS301, MS304, MS305, MS306, MS307, MS310, MS317		Handle lock
	MS762, MS705-3E		Insert lock
	MS737		Panel lock
	MS820-4,MS830, MS830-8, MS832, MS833,MS835		Rod control lock

ELECTRONIC LOCK SERIES

Active electronic lock series



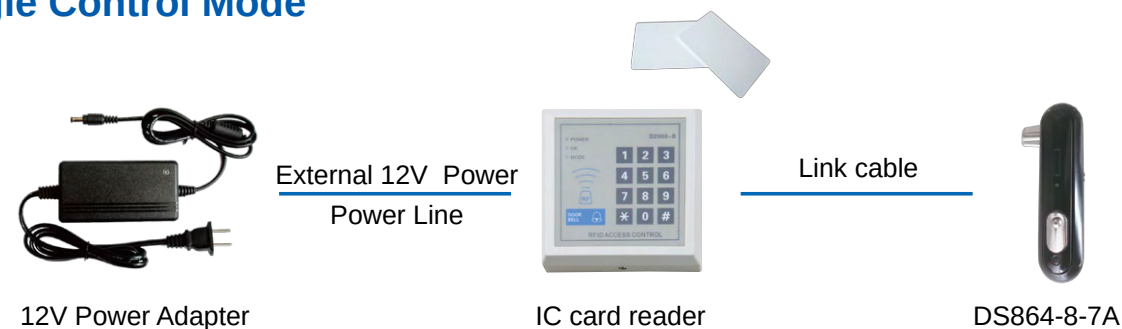
Passive electronic lock series(New product)



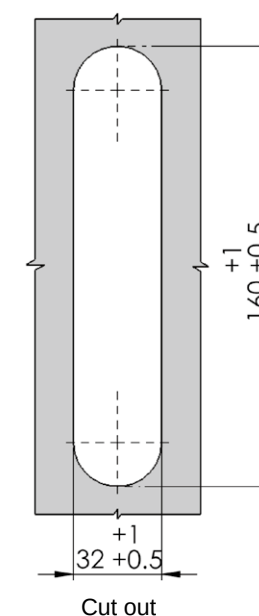
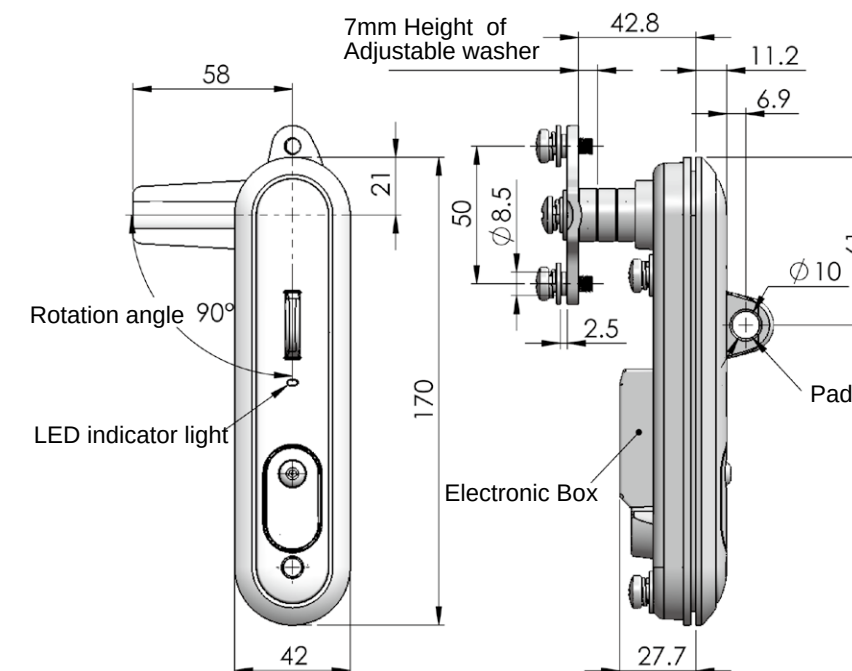
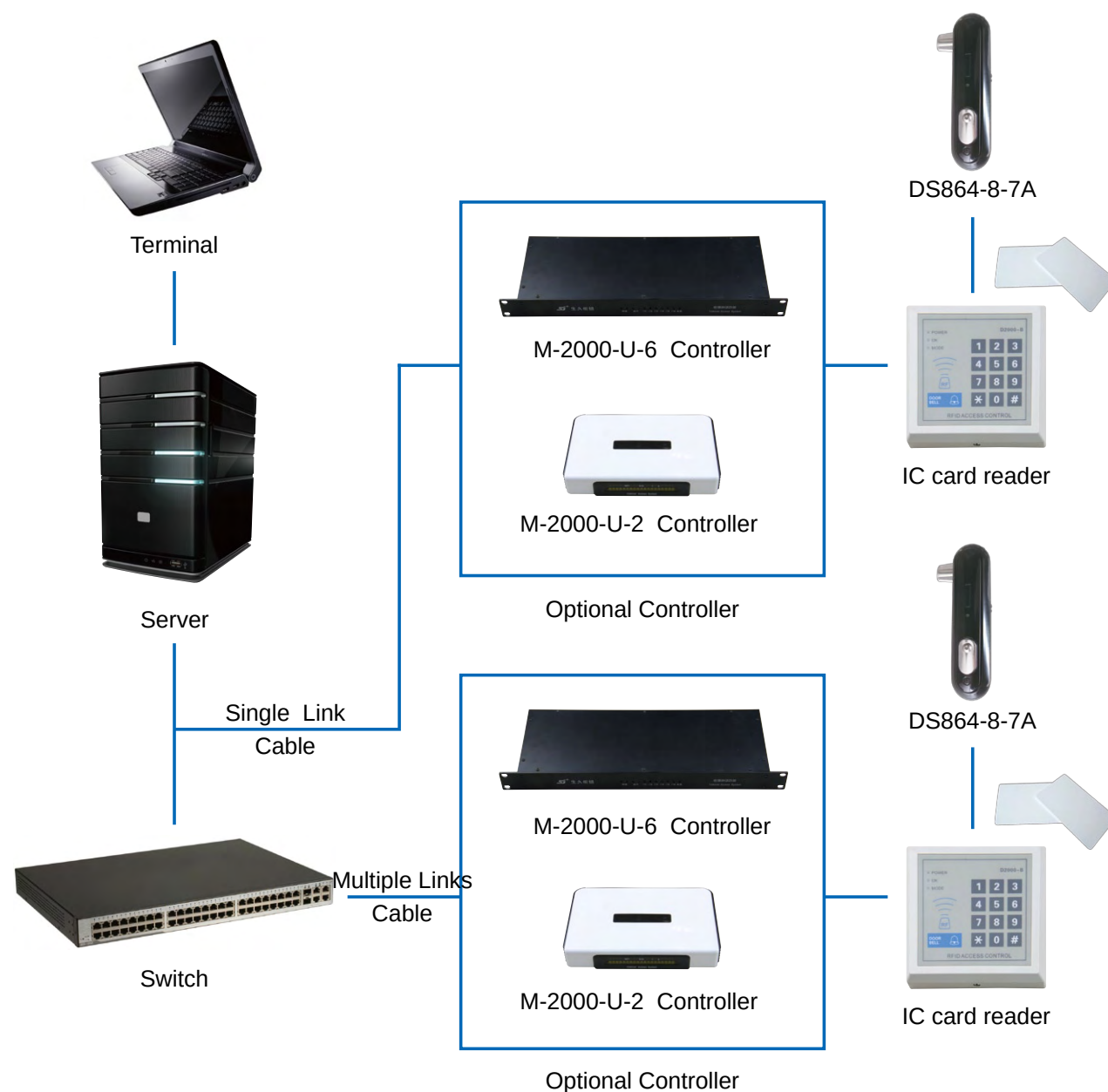
These locks above can be chosen to use electronic lock cylinder, the installation hole size refer to the mechanical lock, please consult the technical department before ordering.

DS864-8-7A Control System Principle

Single Control Mode



Network Control Mode



DS864-8-7A



RL **IP65** **RoHS**

Main material and finish : Black painted (high salt mist resistant) ZDC housing, handle, stainless steel cam. Plastic electronic box/plastic box.

Application : Active electronic lock.

Rated voltage: DC 12V

Rated current: ≤0.3A

Consumption Power: ≤ 3.6W

Remark: Optional mechanical insert and electronic insert

This product is used for indoor. Please read operating introduction in advance and operate according to introduction.

Performance Parameter

Handle load tension capability: ≤600N

Handle load torque capability: ≤30N.m

Working Environment

Temperature: -40 ~ +65°C

Humidity: 5 ~ 90%

Altitude: -60m~4000m

ERP	Specification
DS864Z2E723004	Mechanical insert, switch control, without padlock
DS864Z2E723005	Mechanical insert, switch control, with padlock
DS864Z2E723006	Mechanical insert, DO control, without padlock
DS864Z2EE06001	Electronic insert, DO control, without padlock

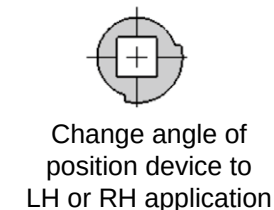
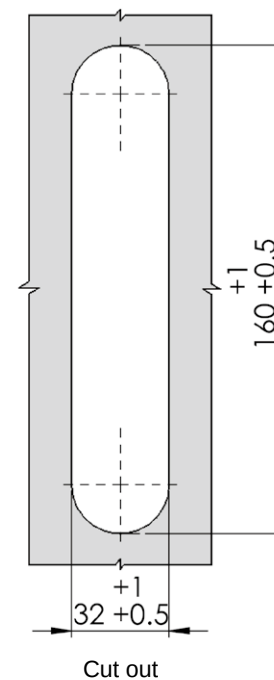
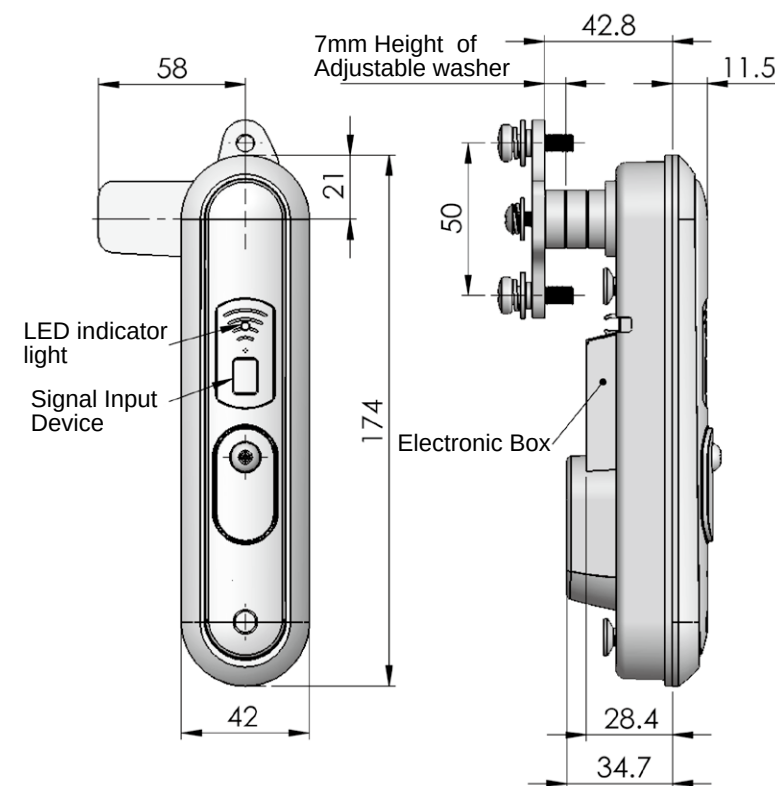
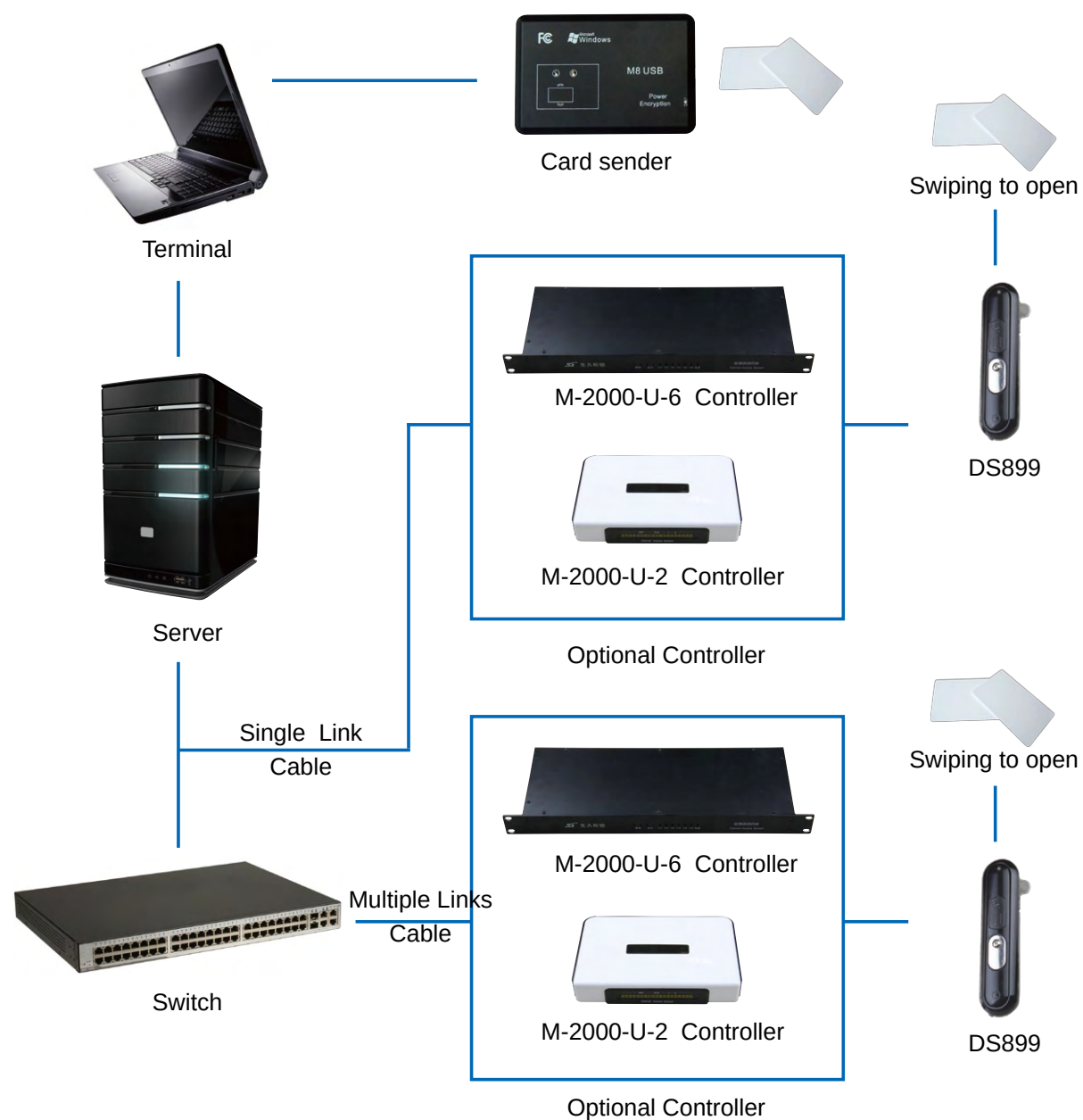
Remark: Default cam is S3C5800

DS899 Control System Principle

Single Control Mode



Network Control Mode



DS899



RL IP65 RoHS

Main material and finish : Black painted (high salt mist resistant) ZDC housing, handle, stainless steel cam. Plastic electronic box/plastic box.

Application : Active electronic lock.

Rated voltage: DC 12V

Rated current: ≤0.25A

Consumption Power: ≤ 3.6W

Remark : Default head face pin tumbler insert.

This product is used for indoor. Please read operating introduction in advance and operate according to introduction.

Performance Parameter

Handle load tension capability: ≤600N

Handle load torque capability: ≤30N.m

Working Environment

Temperature: -40 ~ +65°C

Humidity: 5 ~ 90%

Altitude: -60m~4000m

ERP DS899Z2EE03001

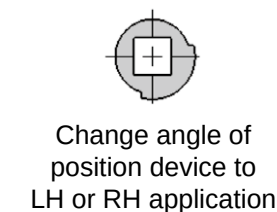
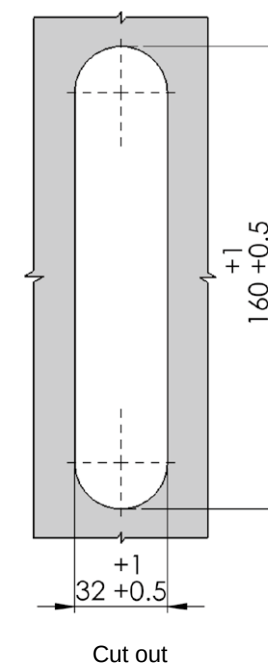
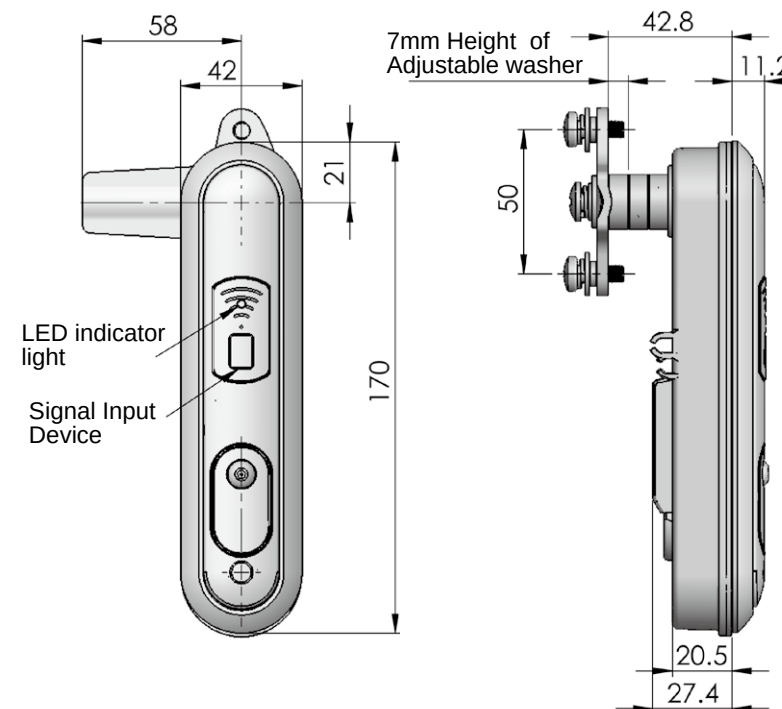
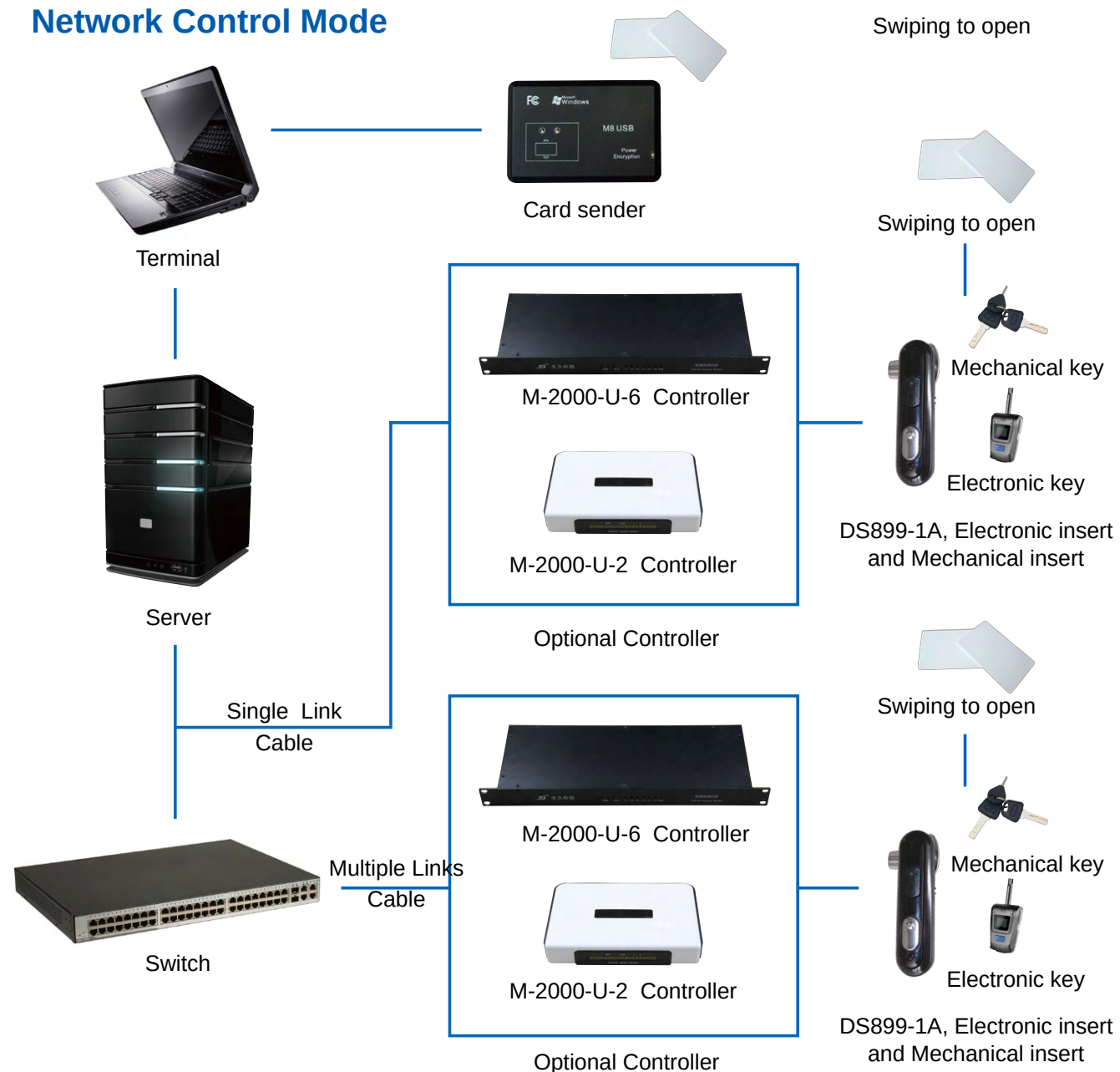
Remark: Default cam is S3C5800

DS899-1A Control System Principle

Single Control Mode



Network Control Mode



DS899-1A



RL IP65 RoHS

Main material and finish : Black painted (high salt mist resistant) ZDC housing, handle, stainless steel cam. Plastic electronic box/plastic box.

Application : Active electronic lock.

Rated voltage: DC 12V

Rated current: $\leq 0.25A$

Consumption Power: $\leq 3.6W$

Remark : Default head face pin tumbler insert.

This product is used for indoor.
Please read operating introduction in advance and operate according to introduction.

Performance Parameter

Handle load tension capability: $\leq 600N$

Handle load torque capability: $\leq 30N.m$

Working Environment

Temperature: $-40 \sim +65^{\circ}C$

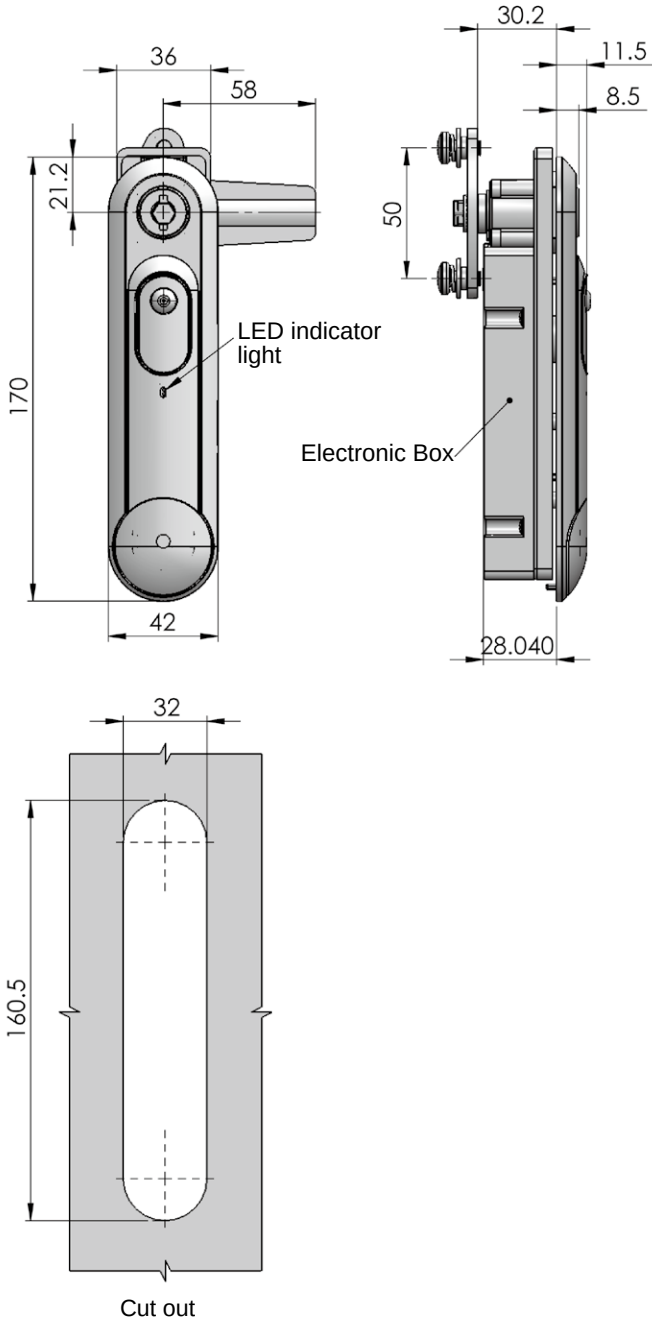
Humidity: 5 ~ 90%

Altitude: -60m~4000m

ERP	Specification
DS899Z2E723001	Swiping Card Control
DS899Z2E723002	Bluetooth Control
DS899Z2EE06001	Swiping Card Control + Electronic cylinder Control

Remark: Default cam is S3C5800

DS912、DS913 Control System Principle



ERP

DS912Z2E723001

DS912



RL IP65 RoHS

Handling: High salt spray resistance
Application : Active electronic lock (idle)
Rated voltage: DC 12V
Rated current: Unlock condition≤0.25A
Standby mode≤0.05A
Remark : This product is suitable used for outdoor.
Read the operating instructions carefully before usage and operate according to the instructions.

Working Environment
Temperature: -40 ~ +65℃
Humidity: 5 ~ 90%
Altitude: -60m~4000m

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

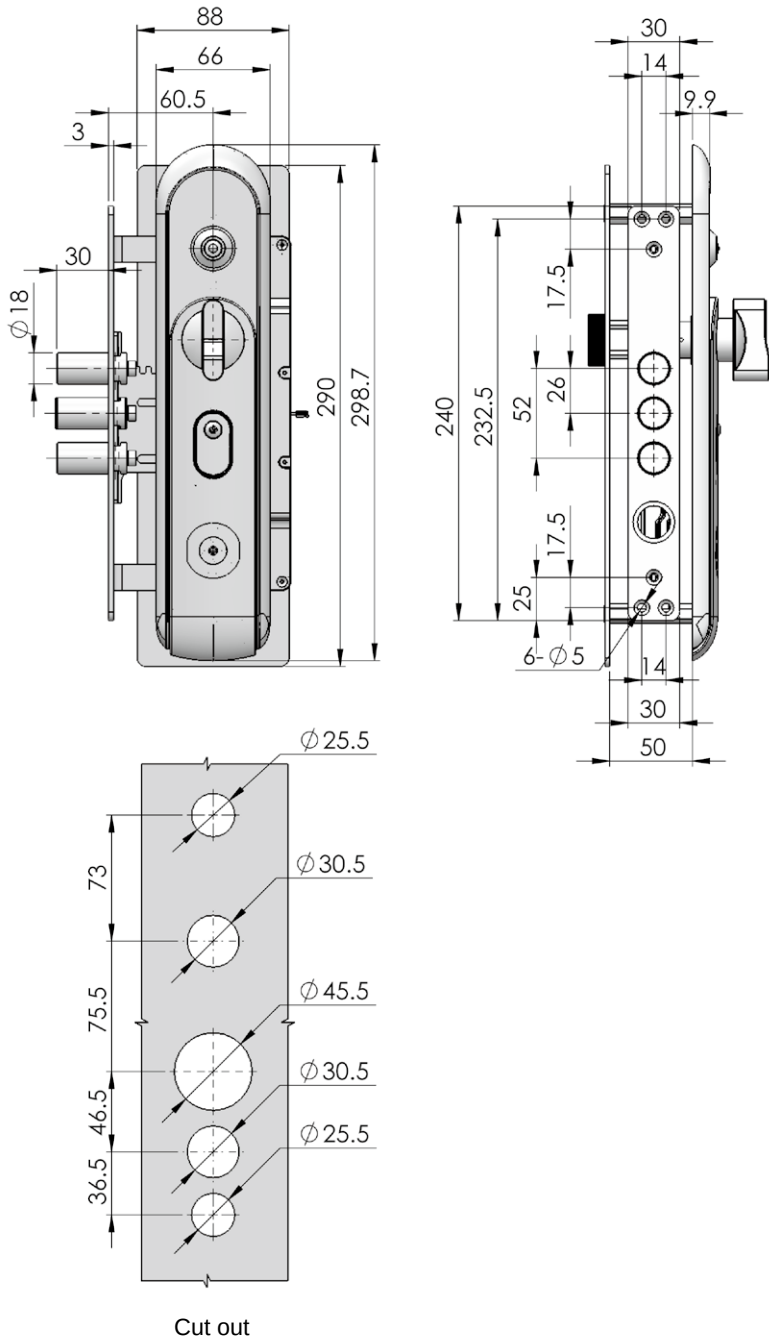
DS913



IP65 RoHS

Handling: Zinc alloy housing,panel,plastic electronic box.
Handling: High salt spray resistance
Application : Active electronic lock
Rated voltage: DC 12V
Rated current: ≤0.25A
Consumption Power: ≤3W
Remark : This product is suitable used for outdoor.
Read the operating instructions carefully before usage, operation according to the instructions.

Working Environment
Temperature: -40 ~ +65°C
Humidity: 5 ~ 90%
Altitude: -60m~4000m



ERP DS913Z2E723001

Optional functions	Optional accessories
Rotation handle	Unlock tool keys
Mechanical cylinder	Bluetooth electronic key
Electronic cylinder	10 core cable(meter)
Insert controlled	Mobile APP Software
Built-in bluetooth	PC Management Platform
RS485 Protocol communication function	
The default basic functions: remote door opening and signal sensing (no rotating handle) matching function and accessories need to be noted in the order.	

Remark:Default cam S3C5800

HANDLE LOCK SERIES

 MS301	 MS304	 MS305	 MS306	 MS307
 MS308	 MS310	 MS312	 MS313	 MS314
 MS315	 MS316	 MS317	 MS319	 MS320
 MS324	 MS353	 MS807-1	 MS842	 MS859
 MS868	 MS887-1	 MS887-2	 MS887-3	 MS887-4

Cylinder lock

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

**MS301
MS302**

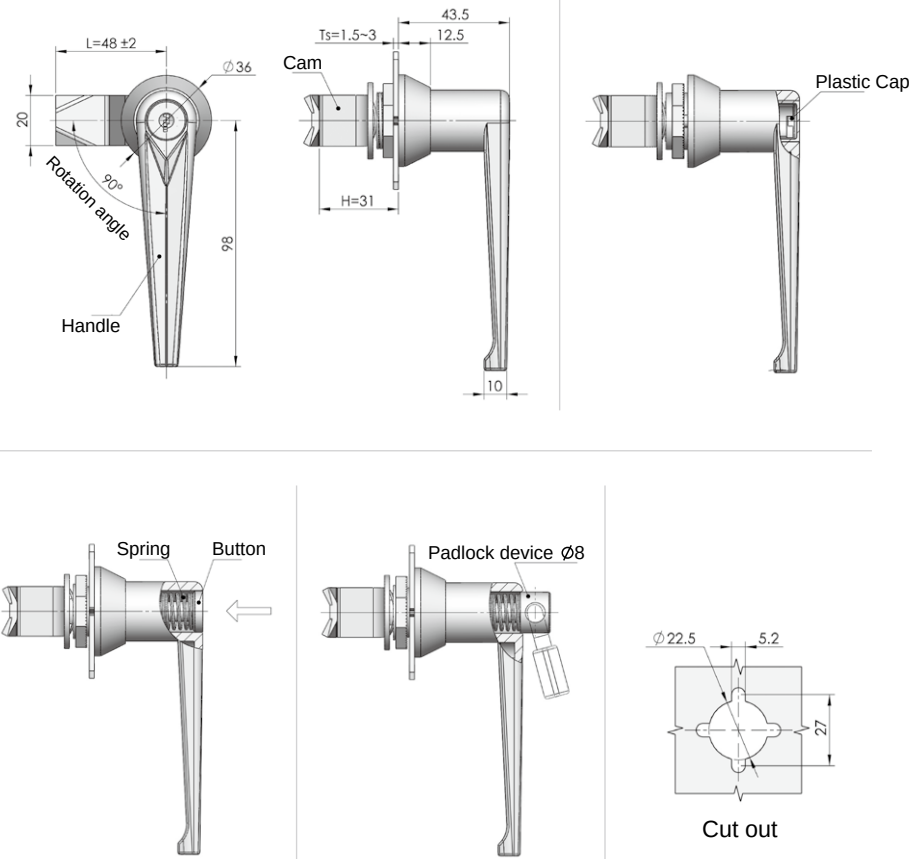


RL

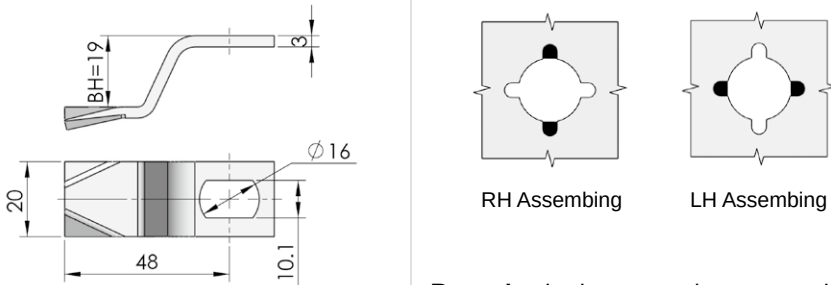
Main material and finish : Bright chrome-plated ZDC handle and housing, white zinc-plated steel cam, bright chrome plated button and white zinc plated shaft
Application : Quarter-turn opening or closing
Remark : Default Key K050

Default cam : S1H48Y19002

Performance parameter:
Maximum static load:220N
Recommended nut tightening torque:20N.m
Maximum input torque:15N.m



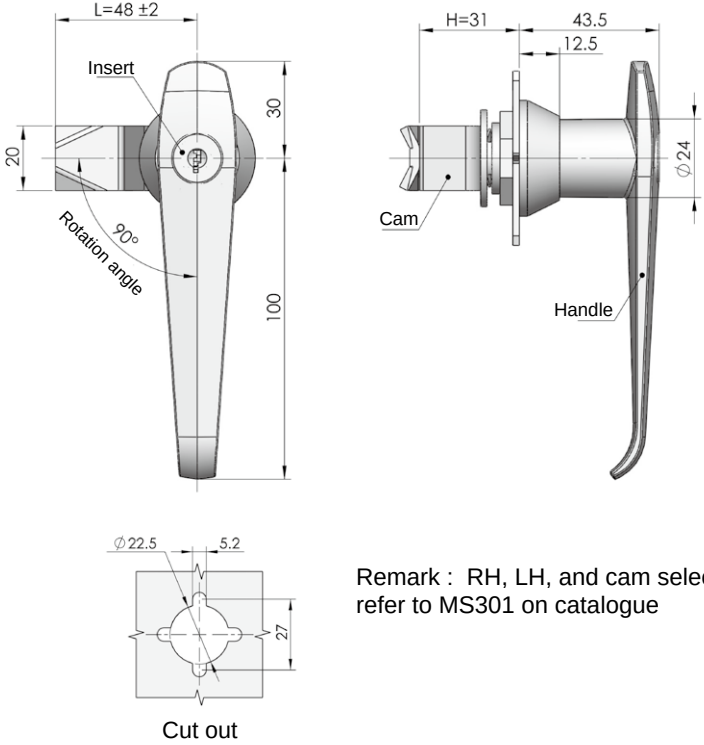
Cam S1H4819 (Optional)



Remark: shadow parts shows mounting hole allocation between housing and door panel

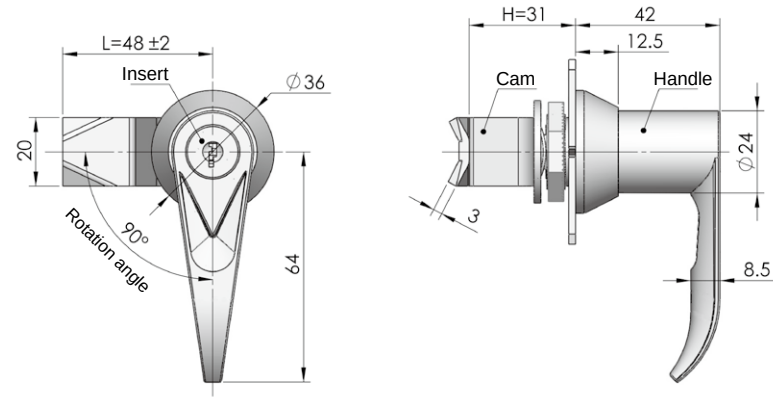
Specification	Model	ERP
With insert	MS301-1	MS301Z3A050008
Without insert	MS301-2	MS301Z3A000001
With button type	MS302-1	MS302Z3A000001
With padlock type	MS302-2	MS302Z3A000008

Remark : Default Cam S1H4819



Remark : RH, LH, and cam selection refer to MS301 on catalogue

ERP MS304Z3A050008
Remark : Default cam S1H4819



Remark:cut out size, RH, LH, and cam selection refer to MS301 on catalogue

Specification	Model	ERP
With insert	MS306-1	MS306Z3A050005
Without insert	MS306-2	MS306Z3A000007
With button type	MS306-3	MS306Z3A000002
With padlock type	MS306-4	MS306Z3A000006

Remark : Default Cam S1H4819

MS304



RL

Main material and finish : Bright chrome-plated ZDC handle and housing, white zinc-plated steel cam
Application : Quarter -turn opening or closing
Remark : Default Key K050

Default cam : S1H48Y19002

Performance parameter:
Maximum static load:220N
Recommended nut tightening torque:20N.m
Maximum input torque:15N.m

MS306



RL

Material and finish : Bright chrome-plated ZDC handle and housing, white zinc-plated steel cam, bright chrome plated steel button and shaft
Application : Quarter-turn opening or closing
Remark : Default key K050

Default cam : S1H48Y19002

Performance parameter:
Maximum static load:220N
Recommended nut tightening torque:20N.m
Maximum input torque:15N.m

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS307



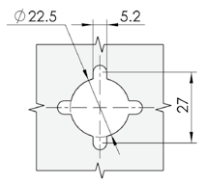
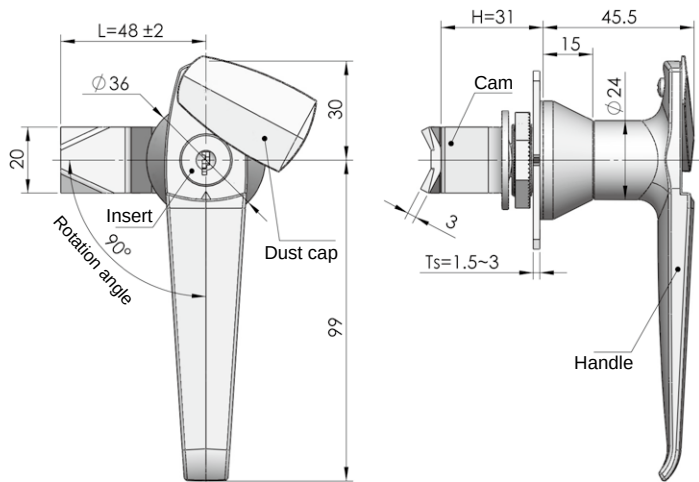
RL IP54

Main material and finish : Bright chrome-plated ZDC handle and housing, white zinc-plated steel cam
Remark : Default key K050

Default cam : S1H48Y19002

Performance parameter:

Maximum static load:220N
Recommended nut tightening torque:20N.m
Maximum input torque:15N.m



Cut out

Remark : RH,LH, and cam selection please refer to MS301 on catalogue

ERP

MS307Z3A050011

Remark : Default cam S1H4819

MS308-2

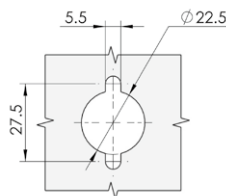
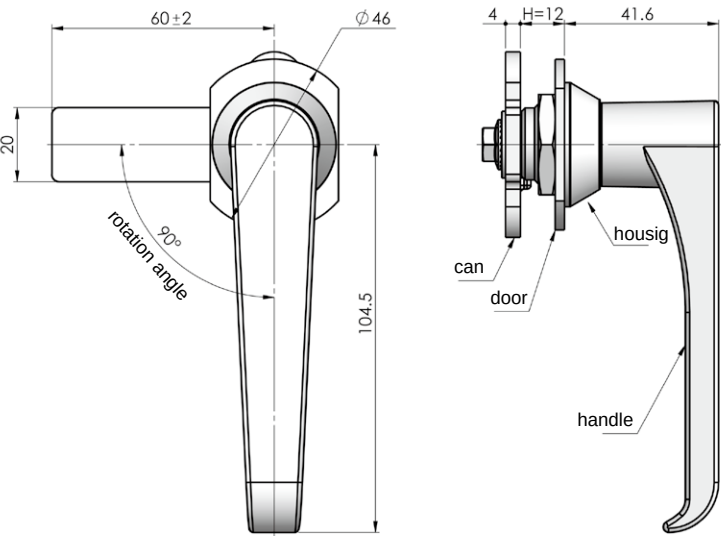


RL IP54

Main material and finish:
Bright chrome plated ZDC handle, housing and white zinc plated steel cam.
Application:Quarter-turn opening and closing.
Remark:No key,cut out size same as MS308

Performance parameter

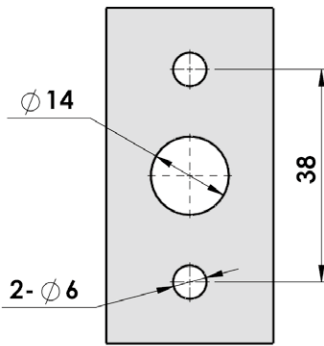
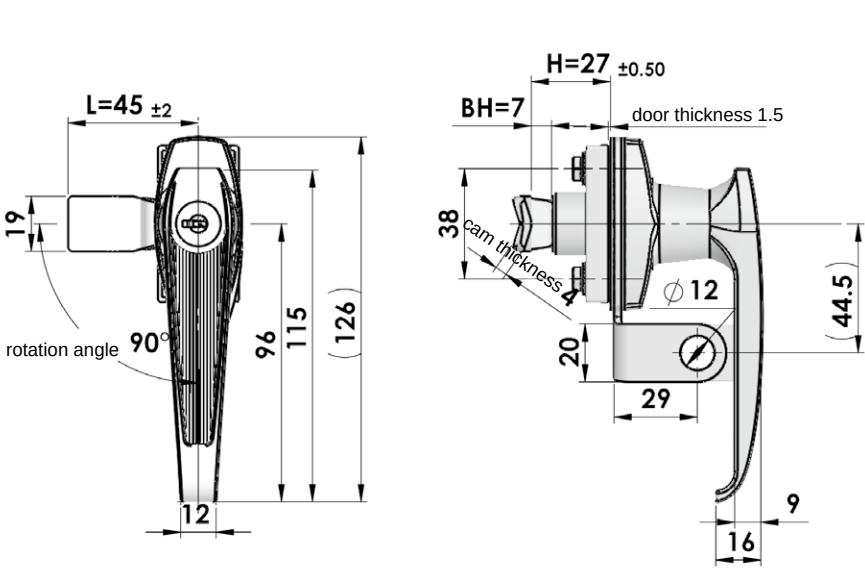
Maximum static load:220N
Recommended nut tightening torque:20N.m
Maximum input torque:15N.m



Cut out

ERP

MS308Z3A000004



Cut out

MS315-4



RL IP55

Main material and finish:Bright chrome-plated ZDC handle,housing,insert,color zinc plated carbon steel shaft,stainless steel lock panel.
Application:Quarter-turn opening and closing.
Remark:Default key K280

Performance parameter

Handle load tension capability:780N
Recommended nut tightening torque:5N.m
Maximum input torque:15N.m

Feature Description	Product item	ERP
with cylinder,with padlock device,LH	MS315-4-Z	MS315Z3A280018
with cylinder,with padlock device,RH	MS315-4-Y	MS315Z3A280013

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

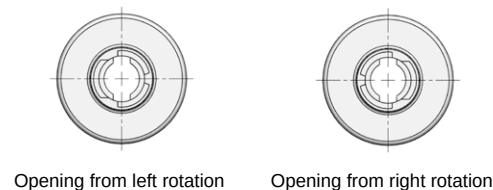
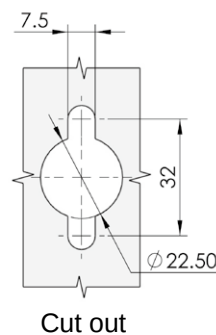
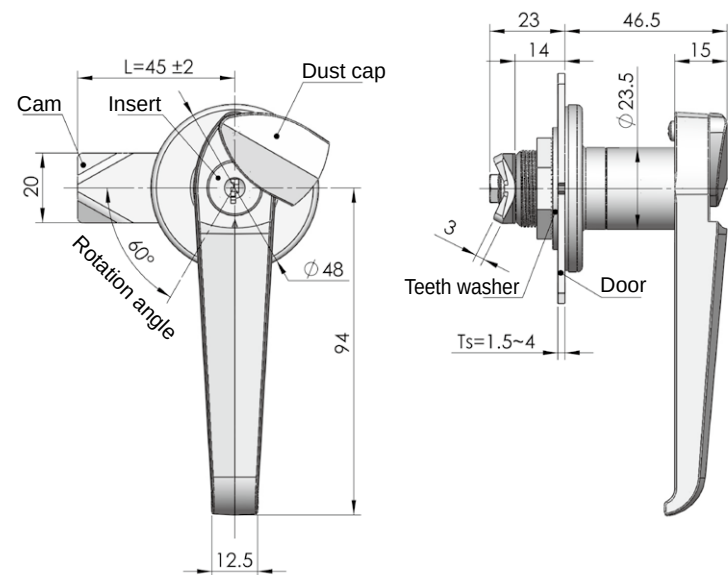


RL IP54

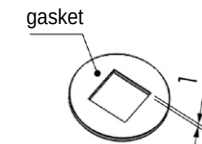
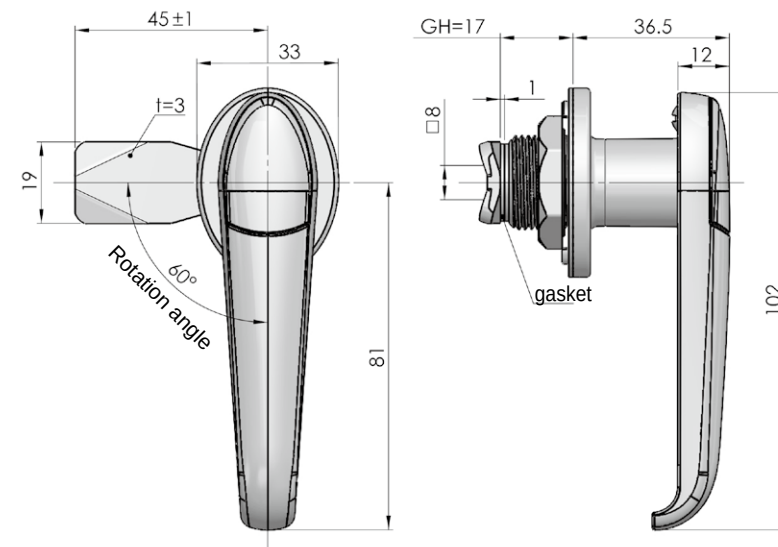
Main material and finish : Bright chrome-plated ZDC handle,housing and insert, white zinc-plated steel cam, teeth washer
Application : 60 degree rotation opening or closing
Remark : Default key K050

Default cam : S1B45Y00002

Performance parameter:
Maximum static load:140N
Recommended nut tightening torque:20N.m
Maximum input torque:15N.m

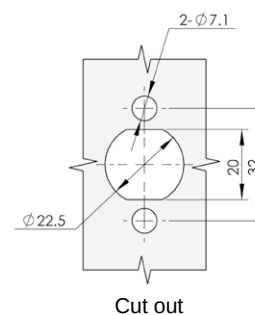
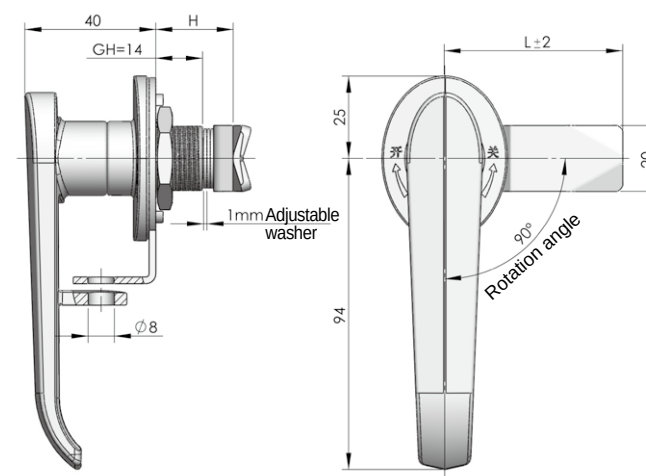


ERP MS317Z3A050001
Remark : Default cam S1B4500



Remark : Change the location of keeper and cam installation position can be adjusted groundwork height GH

ERP MS317Z3A011001



ERP MS322Z2B000003
Remark : Default cam S1B5406 (square 8*8 cam optional)



RL IP65

Main material and finish:Bright chrome plated ZDC handle,housing and dust cap.
Application: 60 degree rotation opening or closing.
Remark:Default key K110.

Performance parameter:
Maximum static load:220N
Recommended nut tightening torque:20N.m
Maximum input torque:15N.m



L IP65 3PL

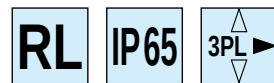
Main material and finish : Nanometer painting ZDC handle and housing,white zinc-plated steel padlock and cam
Application : 90 degree rotation opening or closing, pad-lockable

Default cam : S1B54Y06001

Performance parameter:
Maximum static load:220N
Recommended nut tightening torque:20N.m
Maximum input torque:15N.m

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS324-2



Main material and finish : Black powder coating ZDC housing and handle, white zinc plating steel cam

Application : 90 degree rotation opening or closing

Remark : Default key K140

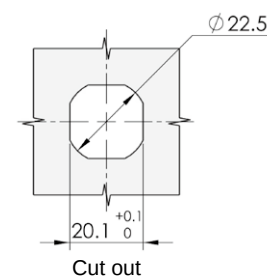
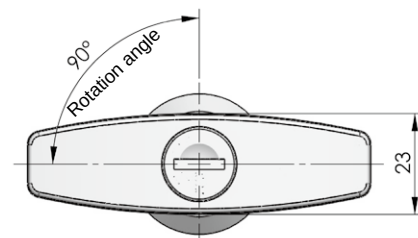
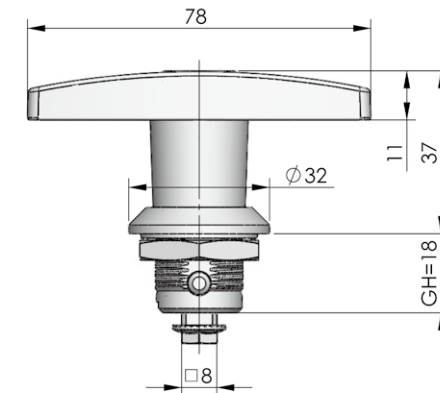
Default cam : S1B45Y07020

Performance parameter:

Maximum static load:270N

Recommended nut tightening torque:20N.m

Maximum input torque:20N.m



	MS324-2 With insert	MS324-2A Without insert
ERP	MS324Z1A140040	MS324Z1A000002

Remark : Default cam S1B4507 (square 8*8 cam optional)

MS324-3



Main material and finish: Black powder coating ZDC housing and handle, bright chrome plated lock cylinder components.

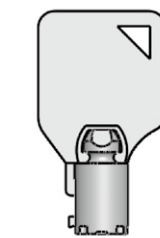
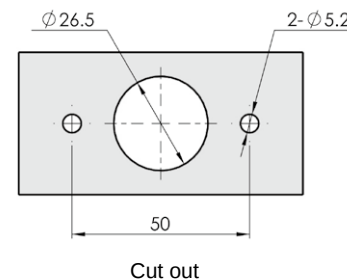
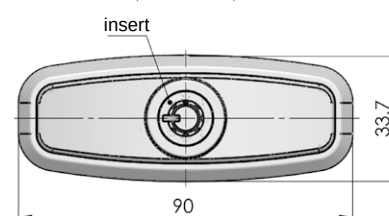
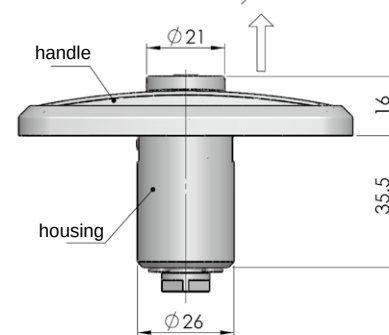
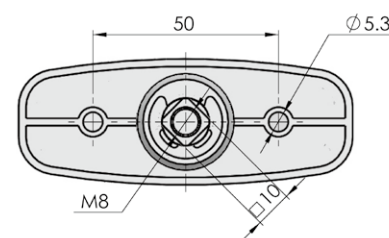
Application: Insert 180° rotation opening, handle bounces automatically and 360° rotation freely.

Remark:Default key K58-3

Performance parameter:

Maximum static load:270N

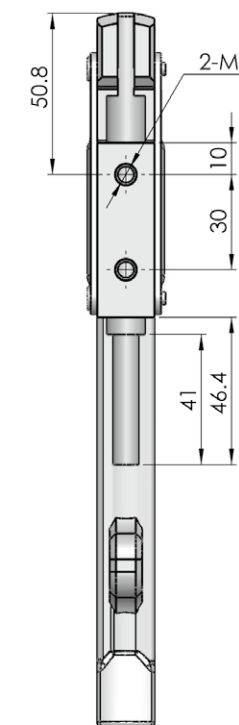
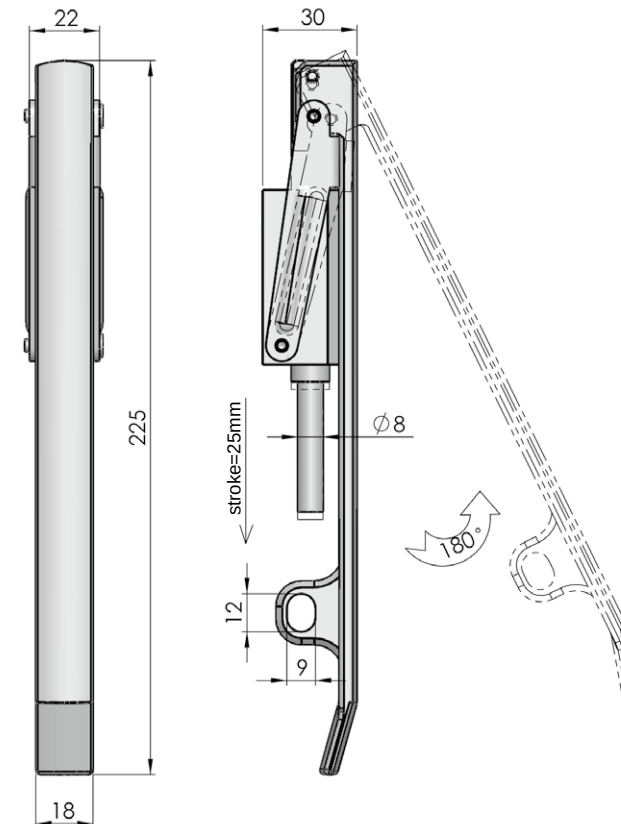
Maximum input torque:20N.m



Default key K58-3

ERP	MS324Z2AE04007
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Remark:default cam S1C7200



ERP	MS353Z3D000001
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MS353



Main material and finish:White zinc plated ZDC housing,shaft,and holder.

Anti-corrosive Spraying

Application:Handle 180° rotation opening or closing,stroke 25mm.

Performance parameter:

Handle load tension capability:490N

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

MS807-1



MS807-2



MS807-3



R **L** **IP54**

Main material and finish : Bright chrome-plated ZDC handle,housing,insert and dust-tight cap, white zinc-plated steel cam,teeth washer, and shaft

Application : Cam adjustable

Remark: Default key K050

Default cam: S1C45Y00003(Steel)

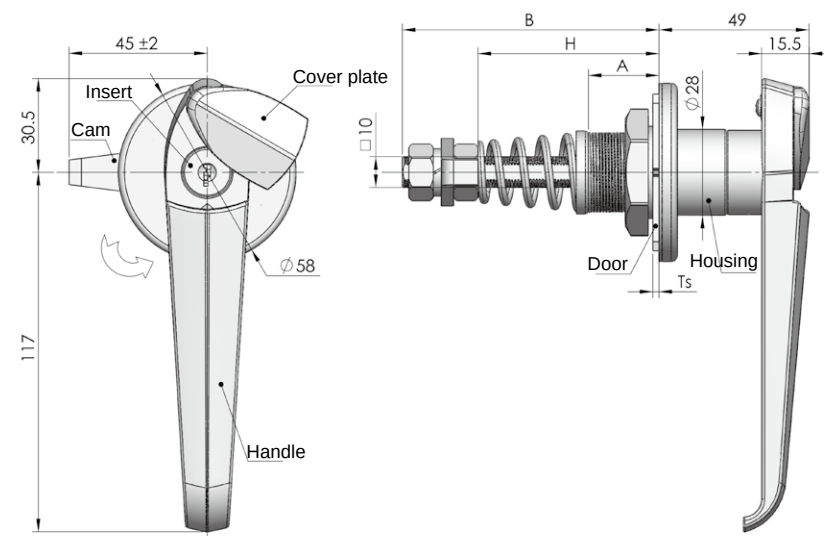
S1C45Y00004(Stainless steel)

Performance parameter:

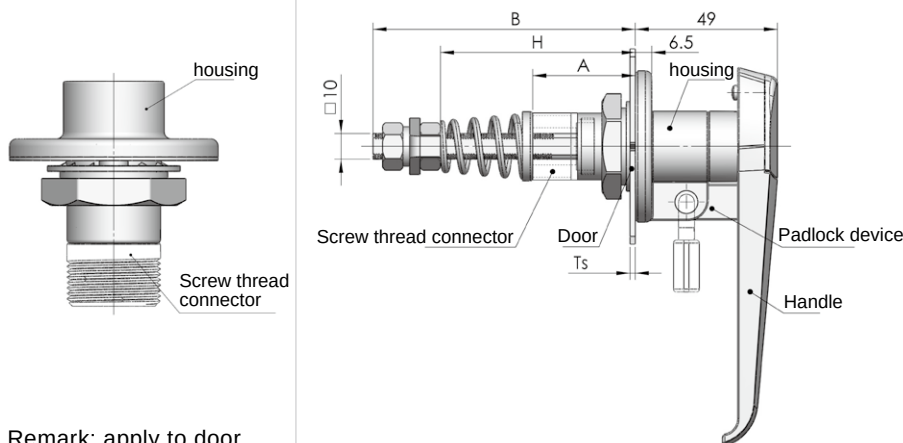
Maximum static load:242N

Recommended nut tightening torque:30N.m

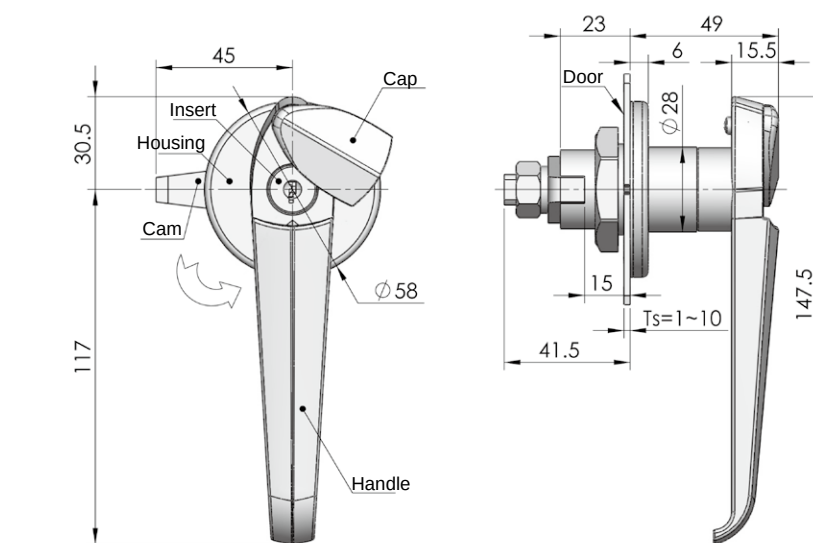
Maximum input torque:23N.m



MS807-1

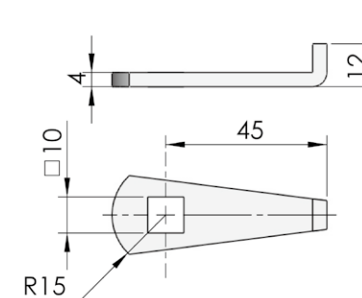


MS807-2

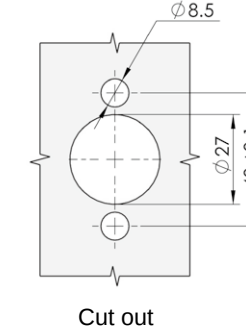


MS807-3

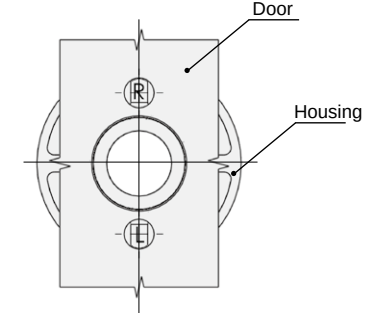
Default cam



Remark: Default cam drawing cut out is square 10mm, other cam selection refer to cam list



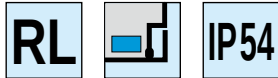
Cut out



Note : if it is used for 60 RH and LH, the door can be opened both right and left through housing 180 rotation assembling position, it is the dorsal view after lock is assembled on the door

Specification		MS807-1 Series			
		Bright chrome-plated ZDC housing, handle, cap		S.S housing, handle, cap	
		Model	ERP	Model	ERP
A=23 B=83 H=45~58	60° for RH and LH	MS807-1	MS807Z3A050029	MS807-1B	MS807S4A050010
	90° RH	MS807-1-Y	MS807Z3A050036		
	90° LH	MS807-1-Z	MS807Z3A050039		
A=40 B=103 H=52~75	60° for RH and LH	MS807-1-D1	MS807Z3A050002	MS807-1B-1	MS807S4A050011
	90° RH	MS807-1-Y1	MS807Z3A050005		
	90° LH	MS807-1-Z1	MS807Z3A050008		
A=63 B=103 H=75~80	60° for RH and LH	MS807-1-D2	MS807Z3A050003	MS807-1B-2	MS807S4A050012
	90° RH	MS807-1-Y2	MS807Z3A050006		
	90° LH	MS807-1-Z2	MS807Z3A050009		
Specification		MS807-2 Series			
		Bright chrome-plated ZDC housing, handle, cap		S.S housing, handle, cap	
		Model	ERP	Model	ERP
A=23 B=83 H=45~58	60° for RH and LH				
	90° RH	MS807-2-Y	MS807Z3A050011	MS807-2B-Y	MS807S4A050001
	90° LH	MS807-2-Z	MS807Z3A050010	MS807-2B-Z	MS807S4A050019
Specification		MS807-3 Series			
		Bright chrome-plated ZDC housing, handle, cap		S.S housing, handle, cap	
		Model	ERP	Model	ERP
	60° for RH and LH	MS807-3	MS807Z3A050017	MS807-3B	MS807S4A050003
	90° RH	MS807-3-Y	MS807Z3A050018	MS807-3B-Y	MS807S4A050024
	90° LH	MS807-3-Z	MS807Z3A050019	MS807-3B-Z	MS807S4A050025

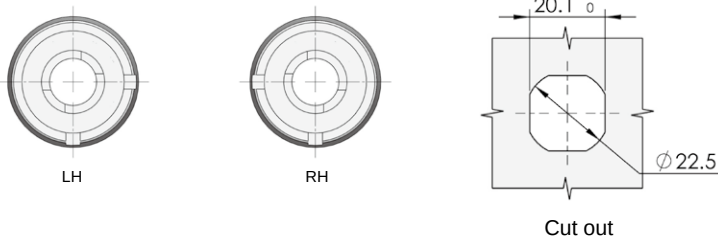
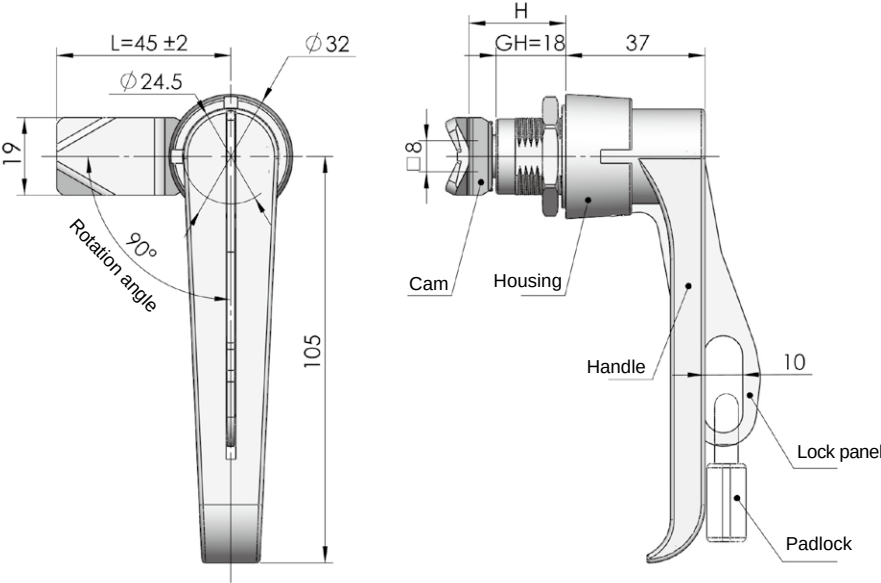
MS842



Main material and finish : Black pocked coated ZDC handle and housing, white zinc-plated steel cam, stainless steel lock panel or whole stainless steel for selection
Application : Quarter-turn opening or closing, padlockable

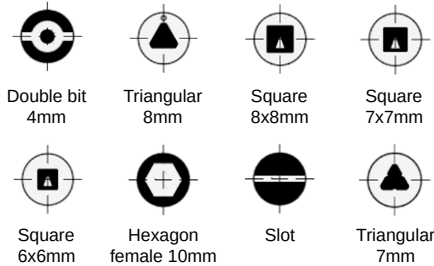
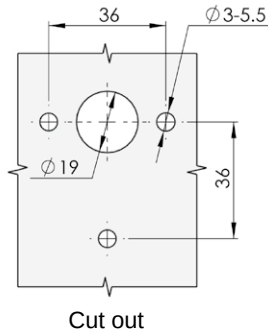
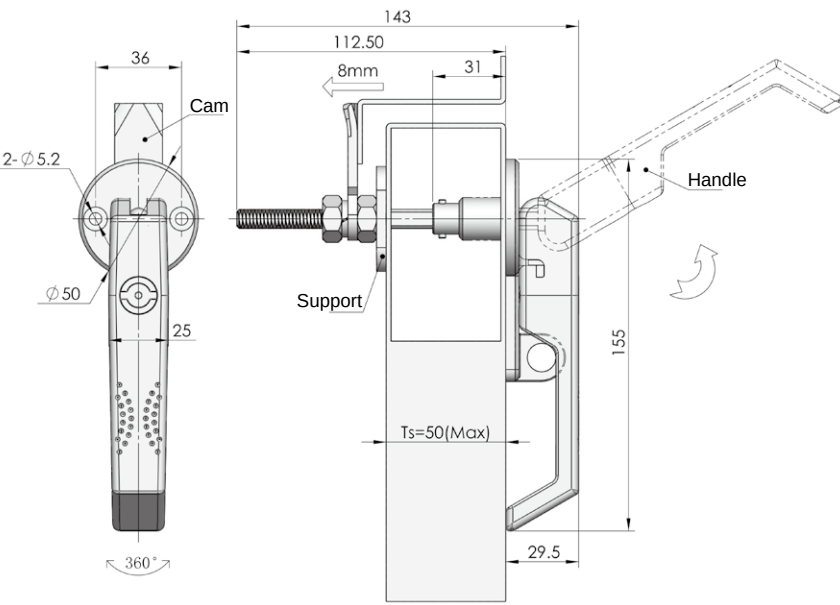
Default cam : S1B45Y07002
S1B45Y07022

Performance parameter:
Maximum static load:270N
Recommended nut tightening torque:20N.m
Maximum input torque:25N.m

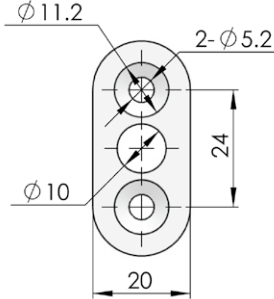


Specification	Model	ERP
ZDC	MS842	MS842Z1B000003
Stainless steel	MS842-1B	MS842S4B000001

Remark : Default cam S1B4507 (square 8*8 cam optional)



Support (Accessory)



Specification	Model	ERP
Double bit	MS859-1-1	MS859Z1BT01001
Triangular 8mm	MS859-1-2	MS859Z1BT04001
Square 8x8mm	MS859-1-3	MS859Z1BT07001
Square 7x7mm	MS859-1-4	MS859Z1BT06001
Square 6x6mm	MS859-1-5	MS859Z1BT05001
Hexagon Female	MS859-1-6	MS859Z1BT09002
Slot	MS859-1-7	MS859Z1BT10001
Triangular 7mm	MS859-1-8	MS859Z1BT14001

Remark : ERP excludes cam (cut out square 8mm)

MS859



Main material and finish : PA handle, pocked black powder coated ZDC housing, bright chrome-plated ZDC insert, white zinc-plated steel shaft
Application : Quarter-turn opening or closing
Remark : Optional key K15 series

Default cam : S1B45Y00005(Ts=4)

Performance parameter:
Handle load tension capability:105N
Maximum static load:220N
Maximum input torque:20N.m

MS868



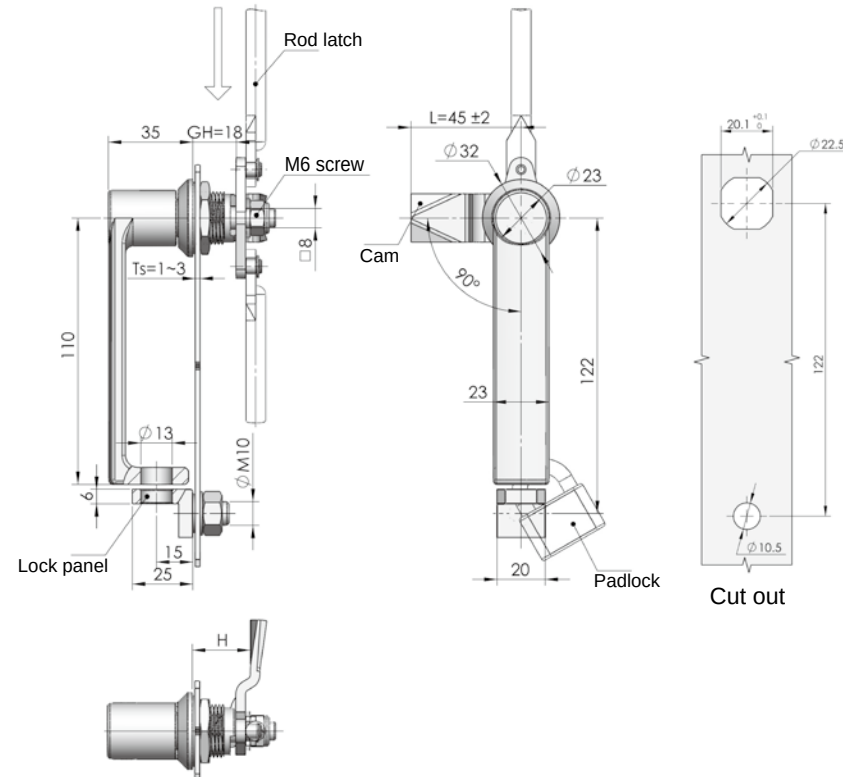
RL IP54 3PL

Main material and finish : Black powder coated ALU handle and lock panel,ZDC housing,white zinc plated steel cam

Application : Quarter-turn opening or closing, padlock available

Default cam : 2882450603

Performance parameter:
Maximum static load:270N
Maximum input torque:20N.m



ERP MS868Z1A000001

Remark : Default cam DS3B4506 (square 8*8 cam optional)

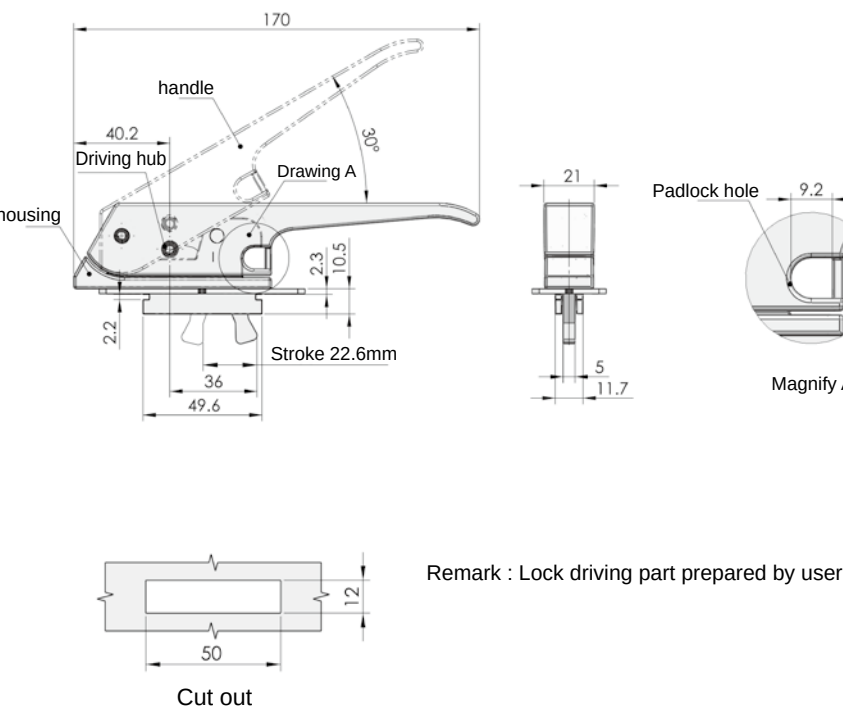
MS887-1



Main material and finish : Black powder coated ZDC housing, handle, white zinc-plated steel cam

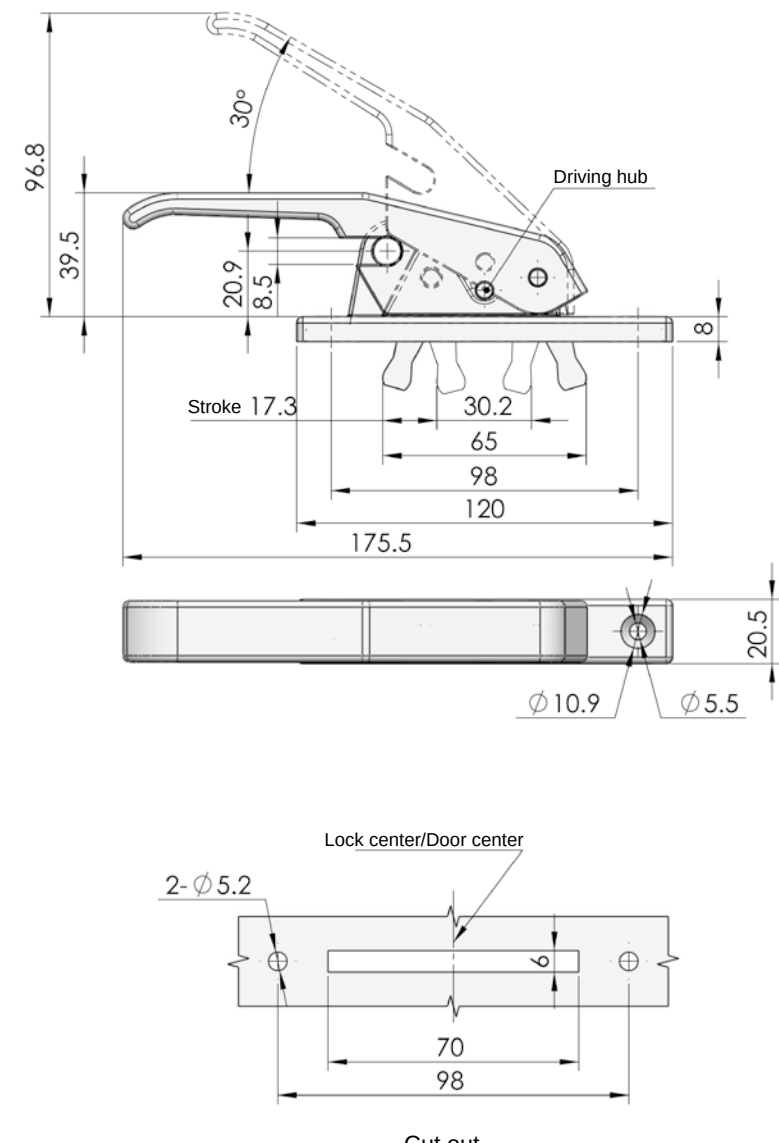
Application : Handle combines with latch

Performance parameter:
Handle load tension capability:100N



ERP MS887Z1A000001

Remark : Lock driving part prepared by user



ERP MS887A1D000001

Remark : Lock driving part prepared by user

MS887-2



Main material and finish : Blue gray (RAL7035) powder coated aluminum housing, handle, white zinc-plated steel cam

Application : Handle combines with latch

Performance parameter:
Handle load tension capability:100N

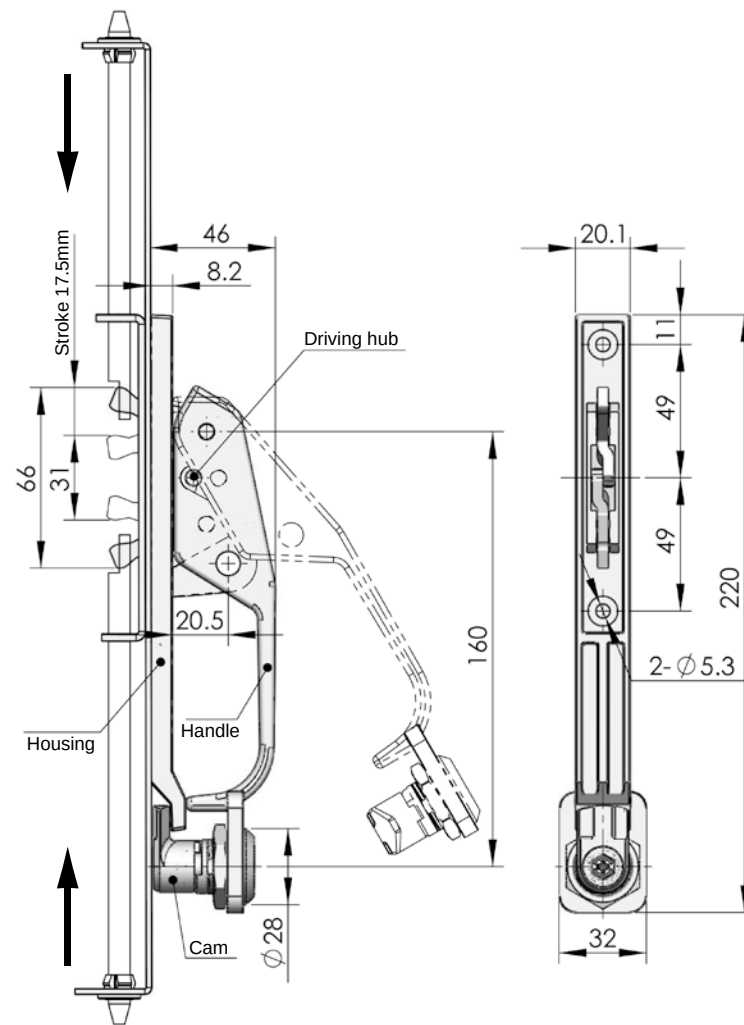
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS887-3

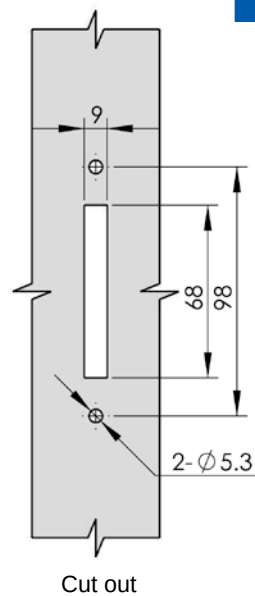


Main material and finish : Blue gray (RAL 7012) powder coated ZDC housing, handle and cylinder barrel
Application : Handle combines with latch, rod-latch system on sketch is just for reference, generally prepared by user
Remark : Optional K15-01C

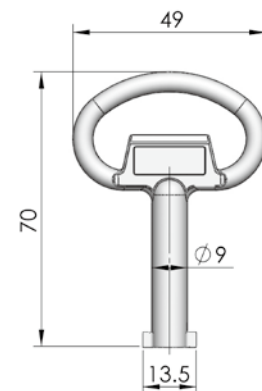
Performance parameter:
 Handle load tension capability:1350N



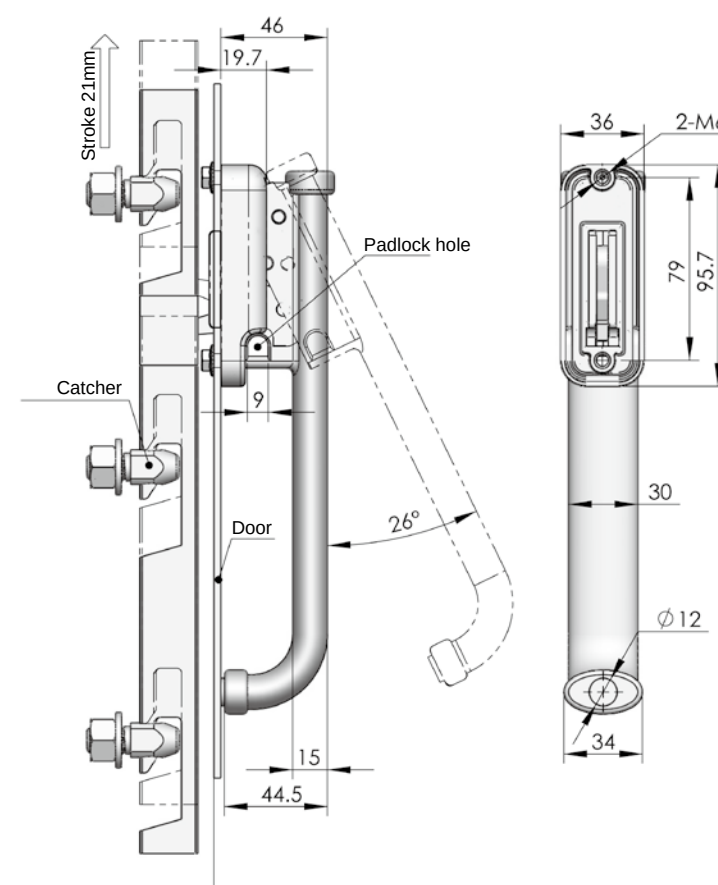
ERP MS887Z1DT02001



Select K15 series as per various inserts

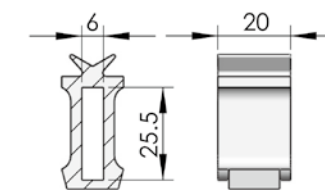


ERP 3290151001



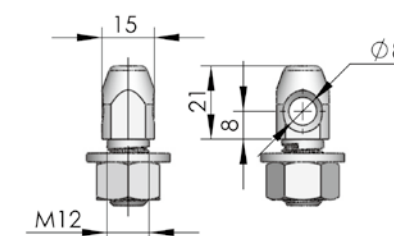
ERP MS887Z1D000001

PA guider (Optional)



ERP 3438874001

Catcher (Optional)



ERP 3248874001

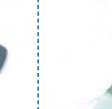
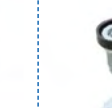
MS887-4

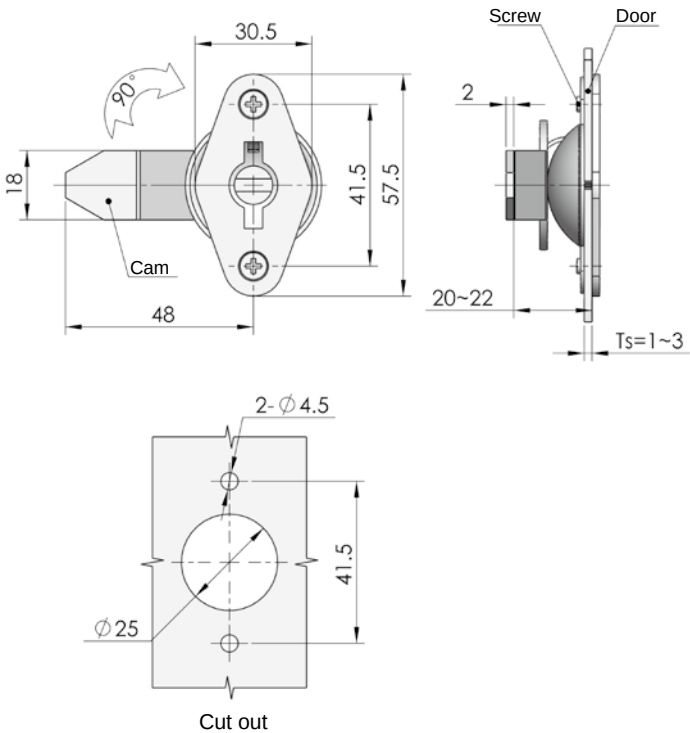


Main material and finish : Blue gray (RAL 7012) powder coated ZDC housing, and handle
Application : Handle combines with latch, rod-latch system on sketch is just for reference, generally prepared by user

Performance parameter:
 Handle load tension capability:1800N

CYLINDER LOCK SERIES

							
MS705	MS705-3A	MS705-3C	MS705-3E	MS705-3U	MS705-K01	MS714-2	MS714-3
							
MS714-4	MS715	MS722	MS763	MS734	MS761	MS735	MS739
							
MS813	MS704-1	MS837	MS844	MS845	MS750	MS812	MS801-1
							
MS801-2	MS803	MS811-4	MS811-5	MS811-6	MS816-1	MS816-2	MS816-3S
							
MS817	MS823	MS816-4B	MS822	MS706	MS809	MS729	MS733
							
MS741	MS742	MS743	MS744	MS745-2	MS748	MS760	MS802
							
MS804	MS806	MS815-1	MS815-2	MS815-3	MS824	MS825	MS826
							
MS303	MS330	MS775	MS735-4	MS753	MS754	MS767	MS772



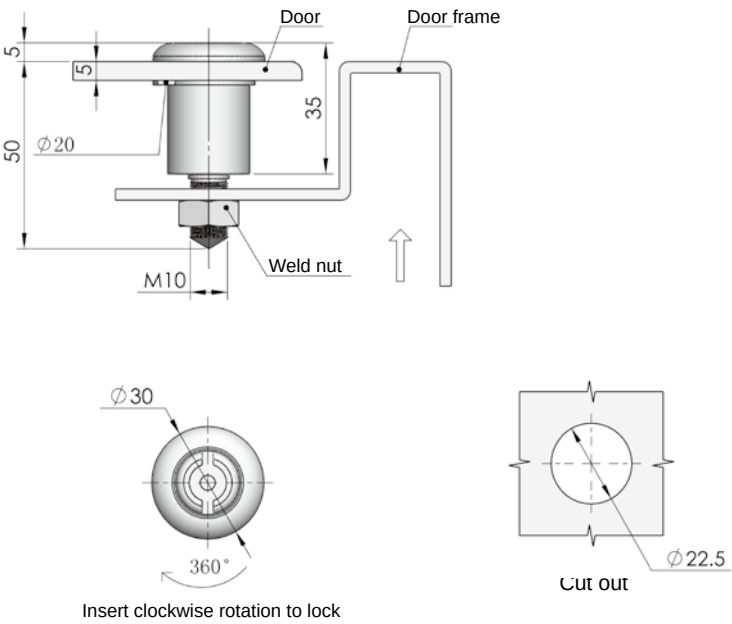
ERP MS330F3D000001

MS330



Main material and finish: White zinc-plated steel lock body, and steel cam
Application: Quarter-turn opening or closing

Performance parameter:
Maximum static load:57N



ERP MS704F3AT02004

MS704-2



Main material and finish : Bright chrome-plated steel housing and insert
Application : 360 degree rotation opening or closing, with function of locking
Remark : Optional key K15-1

Performance parameter:
Maximum input torque:10N.m

MS704-1

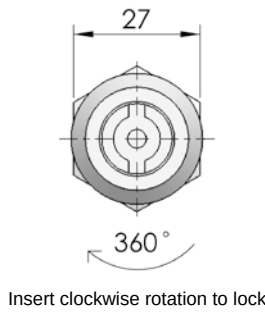
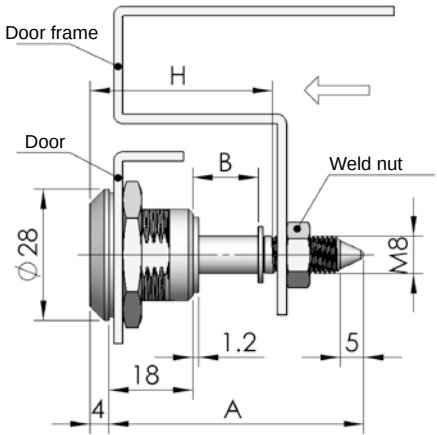


MS704-1A

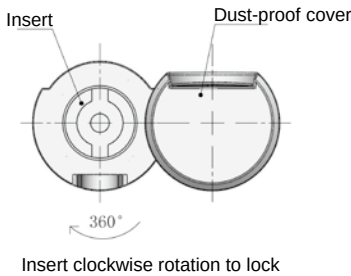
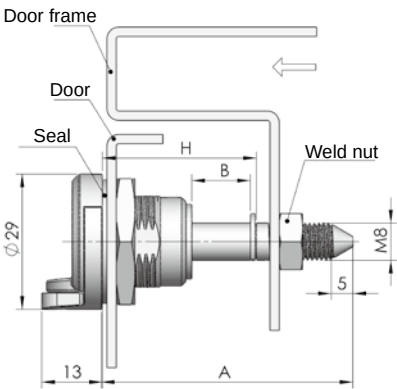


Main material and finish : Bright chrome-plated ZDC housing and steel insert
Application : 360 degree opening or closing, with function of locking
Remark : Optional key K15-1

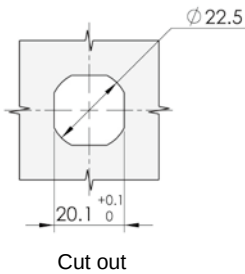
Performance parameter:
Recommended nut tightening torque:20N.m
Maximum input torque:9N.m



Insert clockwise rotation to lock



Insert clockwise rotation to lock



Cut out

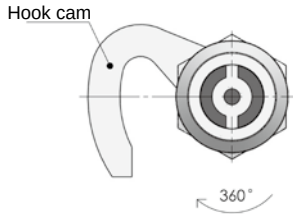
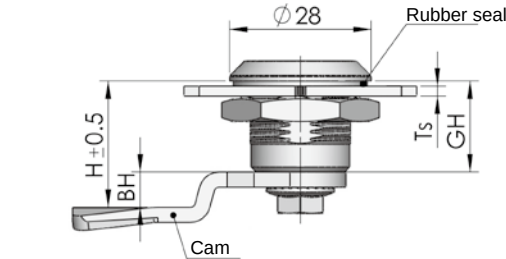
Summary listing of instrumental lock insert for MS705 Series

		Double bit 4mm pin			Hexagon 11mm
		Double bit 3mm pin			Thorn
		Hooked 4mm			Flat Cylinder
		Triangular 8mm			Triangular 7mm
		Square 8mm			Triangular 9mm
		Square 8mm with solt			Heptagon
		Square 6mm			Triangular 10mm with circle
		Square 7mm			Concave with solt
		Socket Hexagon 10mm			Hexagon female with pin
		Slot			

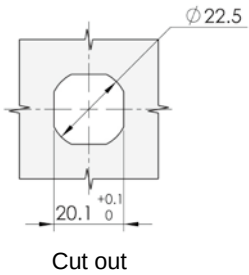
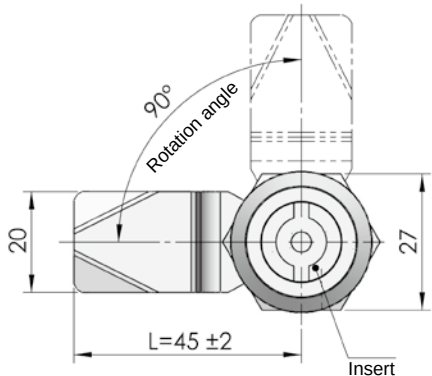
Specification	ZDC housing		Lead sealable housing		PA housing	
	Model	ERP	Model	ERP	Model	ERP
A=40 B=2.5 H=23	MS704-1/23	MS704Z3AT02001	MS704-1A/23	MS704Z3HT02004	MS704-1F/23	MS704N00T02001
A=46 B=7.5 H=28	MS704-1/28	MS704Z3AT02002	MS704-1A/28	MS704Z3HT02005	MS704-1F/28	MS704N00T02002
A=54 B=13.5 H=34	MS704-1/34	MS704Z3AT02003	MS704-1A/34	MS704Z3HT02006	MS704-1F/34	MS704N00T02003

Summary listing of instrumental lock insert for
MS816-1/MS816-1A series

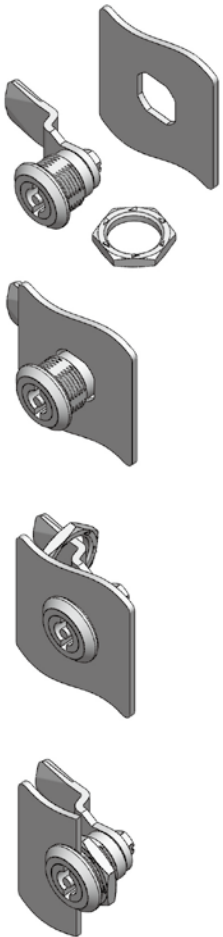
		Triangular 8mm
		Hooked 4mm
		Socket Hexagon female 8mm
		Hexagon male 10mm
		Square 8mm
		Square 7mm
		Square 9mm
		Slot
		Triangular 7mm



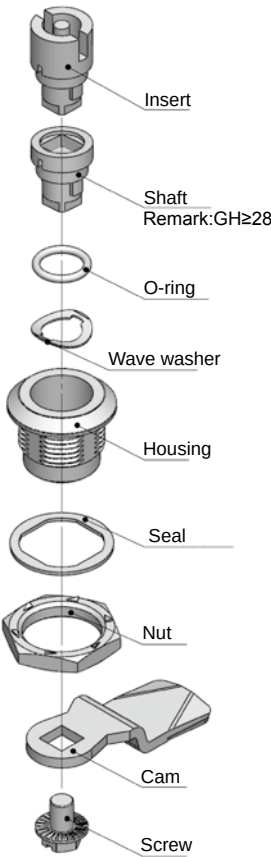
Remark: Hooked cam, Ra=360°, suit for push-pull type cabinet doors



Assembling sketch



Exploded view



MS705



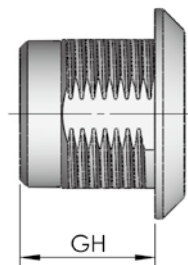
RL **IP54**

Application : Insert 90 degree quarter-turn opening or closing.

Default cam :S1B45Y07002 (ZDC)
S1B45Y07022 (SUS)

Performance parameter:
Maximum static load:270N
Recommended nut tightening torque:20N.m
Maximum input torque:9N.m

Housing

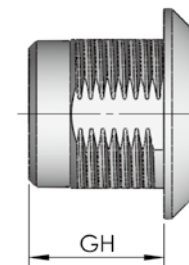


Specification	Housing GH=18					
	ZDC housing and bright chrome insert		SUS housing and insert		Black PA housing and bright chrome ZDC insert	
	Model	ERP	Model	ERP	Model	ERP
Double bit 4mm	MS705-1	MS705Z3AT02032	MS705-1B	MS705S00T02008	MS705-1S	MS705N00T02008
Double bit 3mm	MS705-1A	MS705Z3AT01007	MS705-1AB	MS705S00T01017	MS705-1AS	MS705N00T01014
Hooked 4mm	MS705-2	MS705Z3AT03034	MS705-2B	MS705S00T03005	MS705-2S	MS705N00T03001
Triangular 8mm	MS705-3	MS705Z3AT04041	MS705-3B	MS705S00T04008	MS705-3S	MS705N00T04017
Square 8mm	MS705-4	MS705Z3AT07021	MS705-4B	MS705S00T07007	MS705-4S	MS705N00T07001
square 8mm with solt	MS705-4A	MS705Z3AT08001	MS705-4AB	MS705S00T08005	MS705-4AS	MS705N00T08001
Square 6mm	MS705-5	MS705Z3AT05008			MS705-5S	MS705N00T05007
Square 7mm	MS705-6	MS705Z3AT06010			MS705-6S	MS705N00T06002
10mm Hexagon famale	MS705-7	MS705Z3AT09025	MS705-7B	MS705S00T09003	MS705-7S	MS705N00T09001
Slot	MS705-8	MS705Z3AT10012			MS705-8S	MS705N00T10012
11mm Hexagon male	MS705-9	MS705Z3AT11008			MS705-9S	MS705N00T11002
Thorn	MS705-10	MS705Z3AT12001			MS705-10S	MS705N00T12001
Flat Cylinder	MS705-11	MS705Z3AT13001			MS705-11S	MS705N00T13001
Triangular 7mm	MS705-12	MS705Z3AT14014			MS705-12S	MS705N00T14001
Triangular 9mm	MS705-13	MS705Z3AT15009			MS705-13S	MS705N00T15001
Heptagon male	MS705-14	MS705Z3AT16001			MS705-14S	MS705N00T16001
Triangular 10mm	MS705-15	MS705Z3AT17017			MS705-15S	MS705N00T17002
Concave with solt	MS705-16	MS705Z3AT18005			MS705-16S	MS705N00T18002
Inside hexagon with pin	MS705-18	MS705Z3AT24001				

Specification	Housing GH=28		Housing GH=36			
	ZDC housing, bright chrome insert		ZDC housing, bright chrome insert		Black PA housing, bright chrome ZDC insert	
	Model	ERP	Model	ERP	Model	ERP
Double bit 4mm	MS705-2M-1	MS705Z3AT02088	MS705-3M-1	MS705Z3AT02077	MS705-3M-1S	MS705N00T03003
Double bit 3mm	MS705-2M-1A	MS705Z3AT01026	MS705-3M-1A	MS705Z3AT01027	MS705-3M-1AS	MS705N00T01003
Hooked 4mm	MS705-2M-2	MS705Z3AT03022	MS705-3M-2	MS705Z3AT03015	MS705-3M-2S	MS705N00T03005
Triangular 8mm	MS705-2M-3	MS705Z3AT04027	MS705-3M-3	MS705Z3AT04096	MS705-3M-3S	MS705N00T04018
Square 8mm	MS705-2M-4	MS705Z3AT07017	MS705-3M-4	MS705Z3AT07035	MS705-3M-4S	MS705N00T07003
square 8mm with solt	MS705-2M-4A	MS705Z3AT08002	MS705-3M-4A	MS705Z3AT08025	MS705-3M-4AS	MS705N00T08003
Square 6mm	MS705-2M-5	MS705Z3AT05011	MS705-3M-5	MS705Z3AT05003	MS705-3M-5S	MS705N00T05003
Square 7mm	MS705-2M-6	MS705Z3AT06009	MS705-3M-6	MS705Z3AT06015	MS705-3M-6S	MS705N00T06003
10mm Hexagon famale	MS705-2M-7	MS705Z3AT09026	MS705-3M-7	MS705Z3AT09027	MS705-3M-7S	MS705N00T09003
Slot	MS705-2M-8	MS705Z3AT10002	MS705-3M-8	MS705Z3AT10031	MS705-3M-8S	MS705N00T10003
11mm Hexagon male	MS705-2M-9	MS705Z3AT11010	MS705-3M-9	MS705Z3AT11003	MS705-3M-9S	MS705N00T11003
Thorn	MS705-2M-10	MS705Z3AT12002	MS705-3M-10	MS705Z3AT12003	MS705-3M-10S	MS705N00T12003
Flat Cylinder	MS705-2M-11	MS705Z3AT13002	MS705-3M-11	MS705Z3AT13003	MS705-3M-11S	MS705N00T13003
Triangular 7mm	MS705-2M-12	MS705Z3AT14002	MS705-3M-12	MS705Z3AT14003	MS705-3M-12S	MS705N00T14003
Triangular 9mm	MS705-2M-13	MS705Z3AT15002	MS705-3M-13	MS705Z3AT15003	MS705-3M-13S	MS705N00T15003
Heptagon male	MS705-2M-14	MS705Z3AT16002	MS705-3M-14	MS705Z3AT16003	MS705-3M-14S	MS705N00T16003
Triangular 10mm	MS705-2M-15	MS705Z3AT17002	MS705-3M-15	MS705Z3AT17003	MS705-3M-15S	MS705N00T17003
Concave with solt	MS705-2M-16	MS705Z3AT18002	MS705-3M-16	MS705Z3AT18003	MS705-3M-16S	MS705N00T18003

Remark: For ERP no. above, default cam S1B4507 (cutout 8x8)

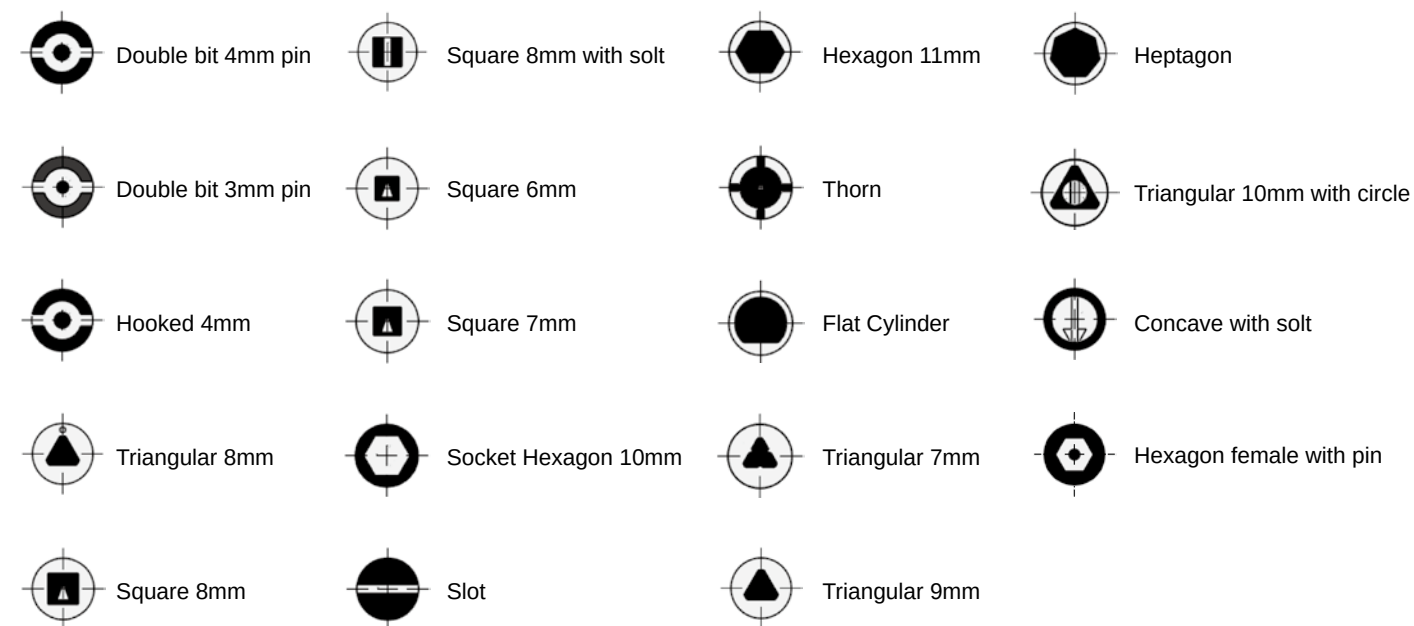
Housing



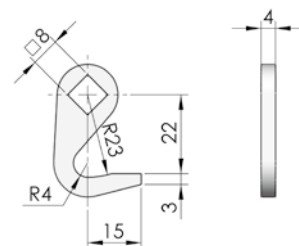
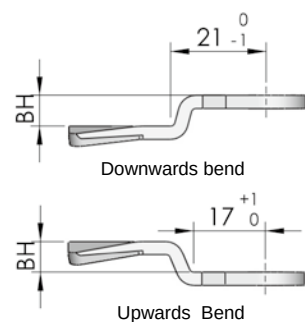
Specification	Housing GH=62			
	ZDC housing and bright chrome insert		housing and bright chrome ZDC insert	
	Model	ERP	Model	ERP
Double bit 4mm	MS705-H62-1	MS705Z3AT02070	MS705-H62-1S	MS705N00T02004
Double bit 3mm	MS705-H62-1A	MS705Z3AT01004	MS705-H62-1AS	MS705N00T01004
Hooked 4mm	MS705-H62-2	MS705Z3AT03073	MS705-H62-2S	MS705N00T03004
Triangular 8mm	MS705-H62-3	MS705Z3AT04099	MS705-H62-3S	MS705N00T04004
Square 8mm	MS705-H62-4	MS705Z3AT07015	MS705-H62-4S	MS705N00T07004
square 8mm with solt	MS705-H62-4A	MS705Z3AT08054	MS705-H62-4AS	MS705N00T08004
Square 6mm	MS705-H62-5	MS705Z3AT05004	MS705-H62-5S	MS705N00T05004
Square 7mm	MS705-H62-6	MS705Z3AT06004	MS705-H62-6S	MS705N00T06004
10mm Hexagon famale	MS705-H62-7	MS705Z3AT09028	MS705-H62-7S	MS705N00T09004
Slot	MS705-H62-8	MS705Z3AT10032	MS705-H62-8S	MS705N00T10004
11mm Hexagon male	MS705-H62-9	MS705Z3AT11004	MS705-H62-9S	MS705N00T11004
Thorn	MS705-H62-10	MS705Z3AT12004	MS705-H62-10S	MS705N00T12004
Flat Cylinder	MS705-H62-11	MS705Z3AT13004	MS705-H62-11S	MS705N00T13004
Triangular 7mm	MS705-H62-12	MS705Z3AT14004	MS705-H62-12S	MS705N00T14004
Triangular 9mm	MS705-H62-13	MS705Z3AT15004	MS705-H62-13S	MS705N00T15004
Heptagon male	MS705-H62-14	MS705Z3AT16004	MS705-H62-14S	MS705N00T16004
Triangular 10mm	MS705-H62-15	MS705Z3AT17004	MS705-H62-15S	MS705N00T17004
Concave with solt	MS705-H62-16	MS705Z3AT18004	MS705-H62-16S	MS705N00T18004

Remark: For ERP no. above, default cam S1B4507 (cutout 8x8)

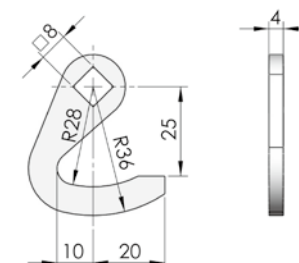
Specification



Cams (Optional)



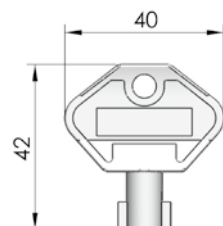
SIB2328H (Hooked cam)



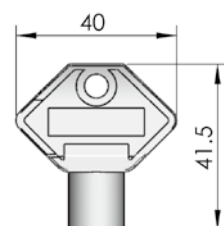
SIB2836H (Hooked cam)

Remark : See S1B cam series on P007

Keys for selection

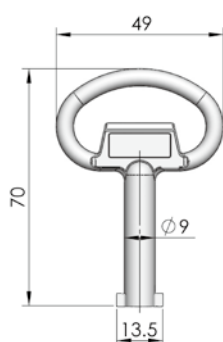


K15-1F

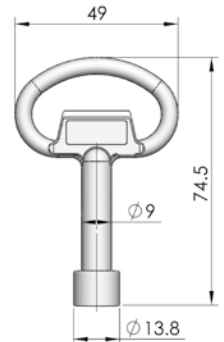


K15-□F Series

Remark: Material is plastic, "□" stands for the model variable.

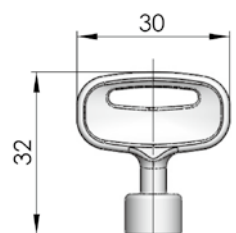


K15-1

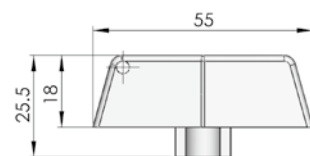


K15-□ Series

Remark: Material is ZDC, "□" stands for the model variable.



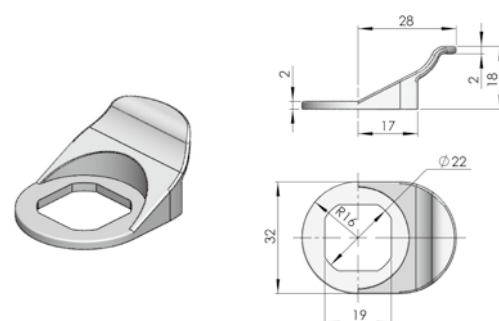
K15-05E



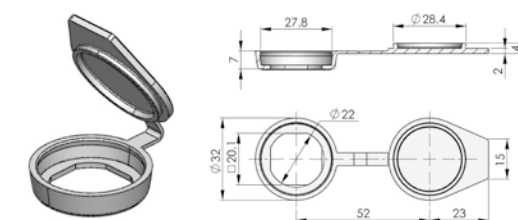
K15-01D

Remark: Material is ZDC, "□" stands for the model variable.

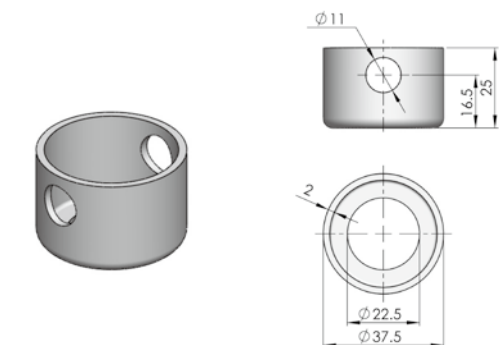
HP001 Handle pull (Optional)



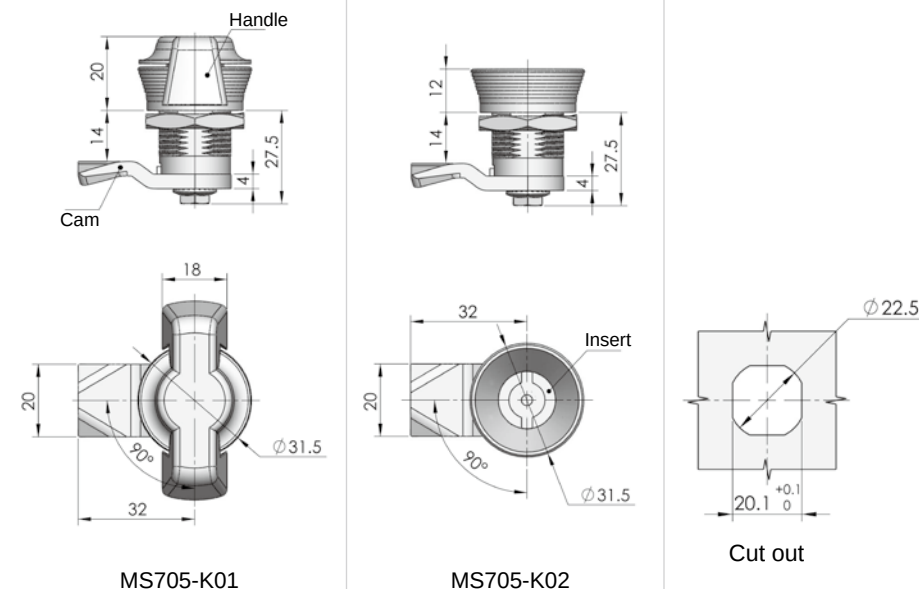
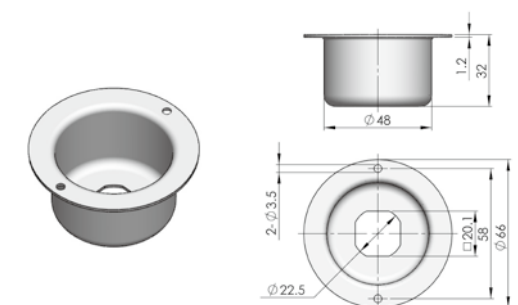
WP002 Water-proof cap (Optional)



A3001 Stainless steel lock tube (Optional)



A3002 Carbon steel seat cover (Optional)



MS705-K01

MS705-K02

Specification	Model	ERP
Handles	MS705-K01	MS705Z1F000015
Double bit	MS705-K02	MS705Z1FT01001

Remark: Default cam DS1B32N04,T=4

MS705-K



RL IP54

Main material and finish : Green powder coated ZDC handle, housing and insert, white zinc-plated steel cam
Application: Quarter-turn opening or closing
Remark : Optional key K15-01C

Default cam : S1B32N04002

Performance parameter:

Maximum static load: 210N
Recommended nut tightening torque: 20N.m
Maximum input torque: 15N.m

MS705-Q

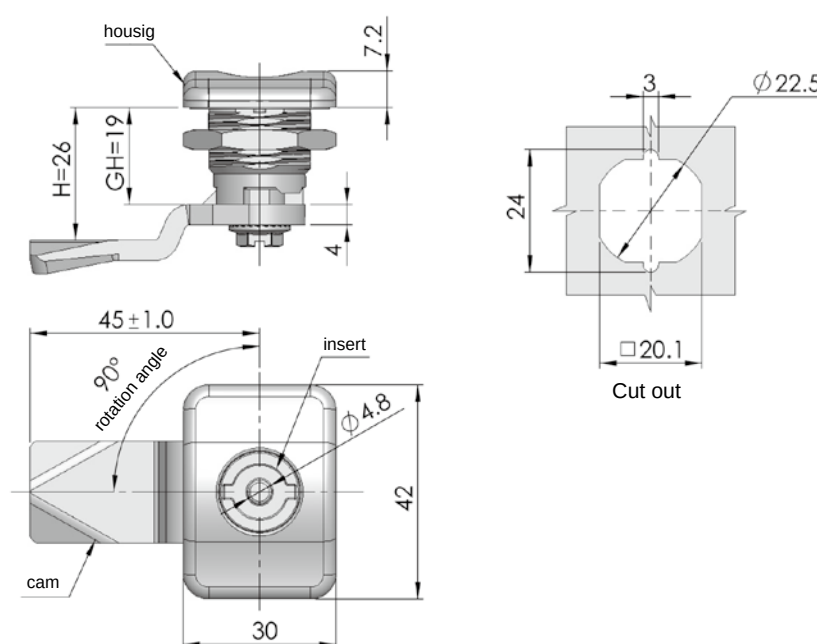


RL IP54

Main material and finish : Black painted ZDC housing, Bright chrome plated insert, white zinc-plated cam and screw.
Remark: Default key K15-1

Performance parameter:

Maximum static load: 270N
Recommended nut tightening torque: 20N.m
Maximum input torque: 9N.m



ERP

MS705Z2AT20003

MS705-1W-2D



R L

Main material and finish: Bright chrome ZDC housing, insert and cam

Application: Quarter turn opening or closing, auto locking function

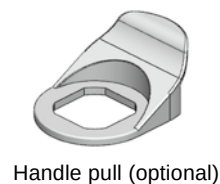
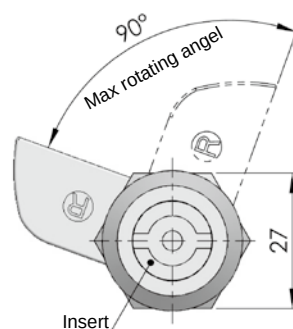
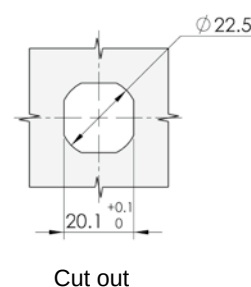
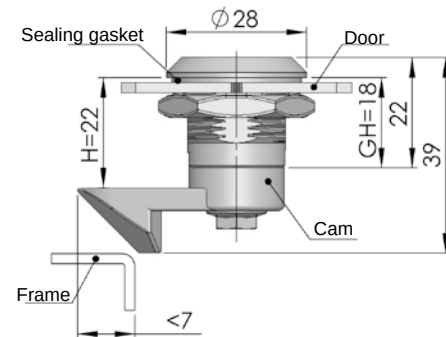
Remark: Optional key K15 series

Performance parameter:

Maximum static load:270N

Recommended nut tightening torque:20N.m

Maximum input torque:9N.m



Handle pull (optional)



Water proof cap (optional)

	MS705-1W-2D Left hand cam	MS705-1W-2D Right hand cam
ERP	MS705Z3AT02020	MS705Z3AT02018

MS705-3C



RL

Main material and finish : Sand-spray, and bright chrome-plated ZDC housing, white zinc-plated steel cam

Application : Quarter-turn opening or closing

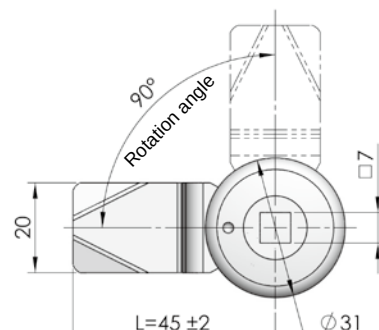
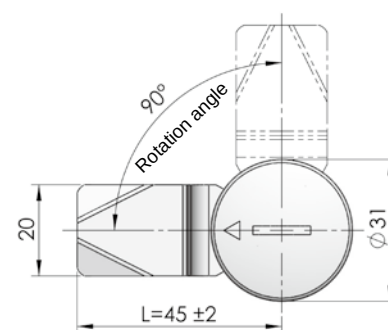
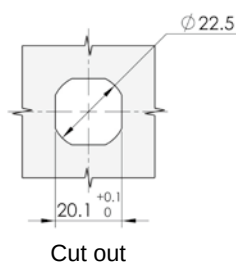
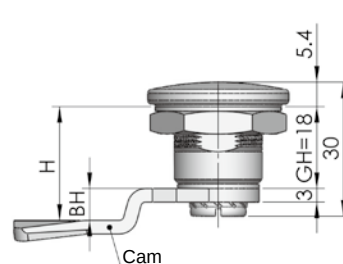
Default cam : S1B45Y02002

Performance parameter:

Maximum static load:270N

Recommended nut tightening torque:20N.m

Maximum input torque:6N.m



Specification	Model	ERP
Slot	MS705-3C-1	MS705Z1B000002
Square 7x7	MS705-3C-2	MS705Z3HT06001

Remark: default cam S1B4502 (Cut out 8x8 cam)

MS705-3A



RL

Main material and finish : Sand-spray and bright chrome-plated ZDC housing,insert and dust-proof cap, white zinc-plated steel cam

Application : Quarter-turn opening or closing

Remark: Optional key K15 series

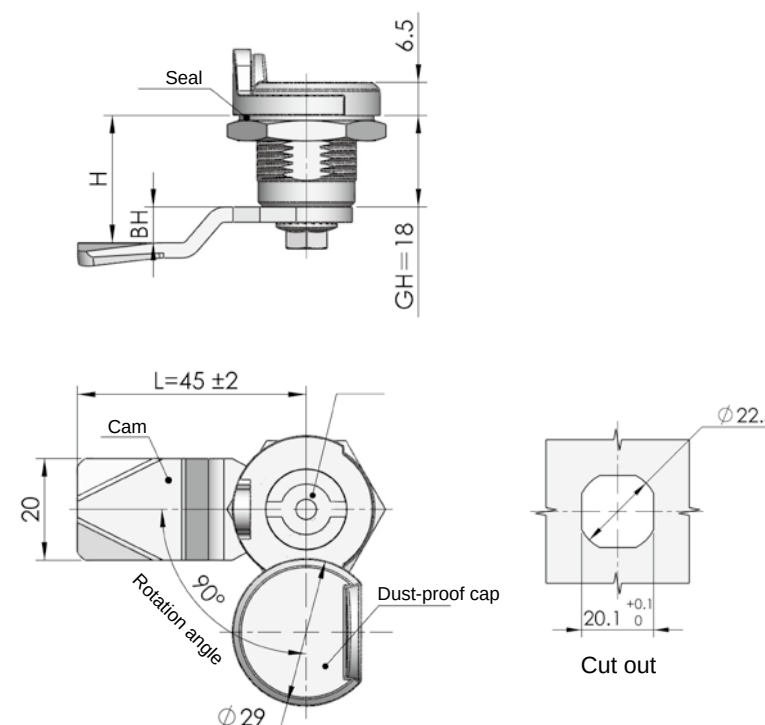
Default cam : S1B45Y07002

Performance parameter:

Maximum static load:270N

Recommended nut tightening torque:20N.m

Maximum input torque:9N.m



ERP	Model	Insert range	Optional key
MS705Z3HT02009	MS705-3A-1	Double bit 4mm	K15-1/K15-1F/K15-1A
MS705Z3HT01008	MS705-3A-1A	Double bit 3mm	K15-1/K15-1F/K15-1A
MS705Z3HT03008	MS705-3A-2	Hooked 4mm	K15-1
MS705Z3HT04010	MS705-3A-3	Triangular 8mm	K15-3/K15-3F
MS705Z3HT07007	MS705-3A-4	Square 8mm	K15-4/K15-4F
MS705Z3HT08005	MS705-3A-4A	square 8mm with solt	K15-4/K15-4F
MS705Z3HT05005	MS705-3A-5	Square 6mm	K15-5/K15-5F/K15-5A
MS705Z3HT06005	MS705-3A-6	Square 7mm	K15-6/K15-6F
MS705Z3HT09001	MS705-3A-7	10mm Hexagon famale	K15-7/K15-7F
MS705Z3HT10007	MS705-3A-8	Slot	
MS705Z3HT11005	MS705-3A-9	11mm Hexagon male	K15-9/K15-9F
MS705Z3HT12005	MS705-3A-10	Thorn	K15-10
MS705Z3HT13005	MS705-3A-11	Flat Cylinder	K15-11
MS705Z3HT14007	MS705-3A-12	Triangular 7mm	K15-3/K15-3F
MS705Z3HT15005	MS705-3A-13	Triangular 9mm	
MS705Z3HT16005	MS705-3A-14	Heptagon male	
MS705Z3HT17005	MS705-3A-15	Triangular 10mm	
MS705Z3HT18005	MS705-3A-16	Concave with solt	

Remark: For ERP no. above, default cam S1B4507 (cut out 8x8)

MS705-3C-4

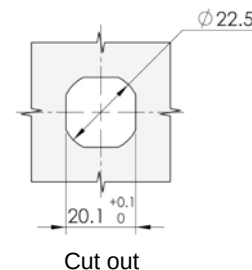
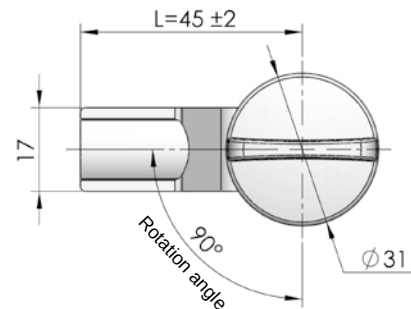
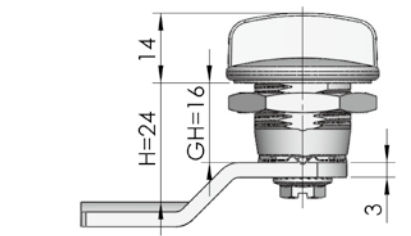


RL

Main material and finish: Bright chrome ZDC housing, black powder coated handle
Application : Quarter-turn opening or closing

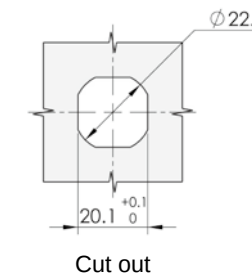
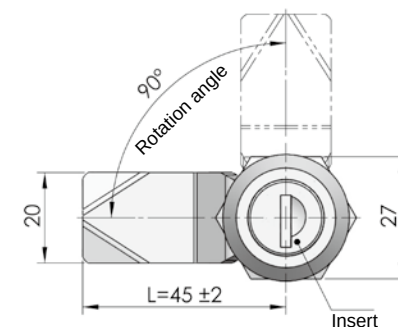
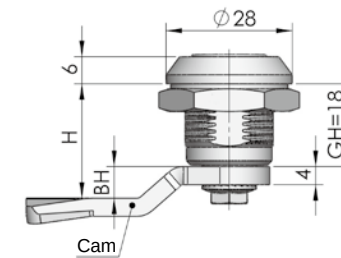
Default cam : S1V45Y08001

Performance parameter:
Maximum static load:270N
Recommended nut tightening torque:20N.m
Maximum input torque:9N.m



ERP MS705Z3A000009

Remark : Default cam S1V4508



Specification	Model	ERP
ZDC housing,insert(RH-rotation)	MS705-3E	MS705Z1A140026
ZDC housing,insert(LH-rotation)	MS705-3E-2	MS705Z3A140011
PA housing,insert(RH-rotation)	MS705-3E-F	MS705N00140007

Default cam: S1B4507 T=4 (cut out 8x8)

MS705-3E



RL

Main material and finish : Black powder coated ZDC housing, white zinc-plated steel cam

Application : Quarter-turn opening or closing

Remark: Default key K140

Performance parameter:
Maximum static load:220N
Recommended nut tightening torque:20N.m

MS705-3D

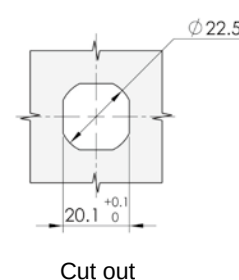
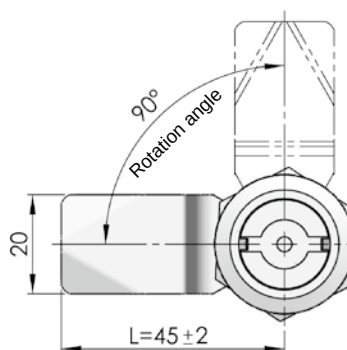
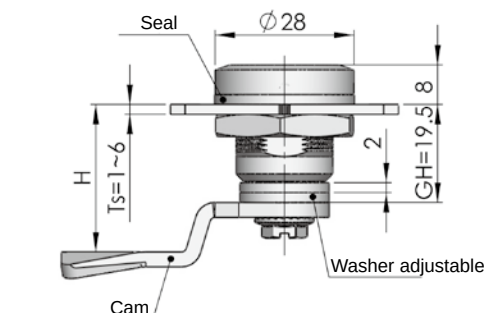


RL

IP54

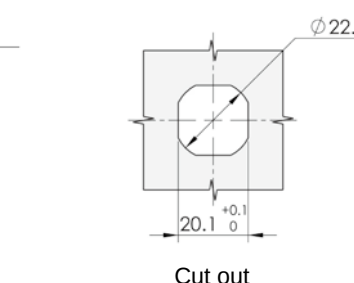
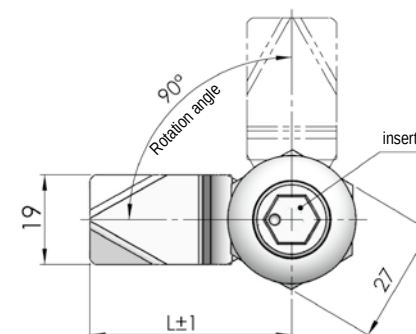
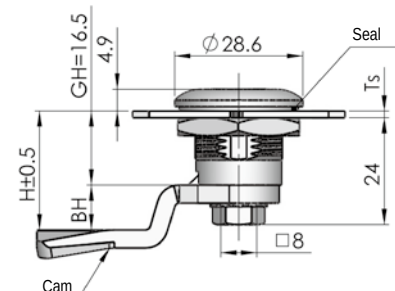
Main material and and finish : Black powder coated ZDC housing and insert, white zinc-plated steel cam
Application : Quarter-turn opening or closing
Remark : Optional key K15-1A

Performance parameter:
Maximum static load:270N
Recommended nut tightening torque:20N.m
Maximum input torque:9N.m



ERP MS705Z2AT01018

Default cam: S1B4507 (cut out 8x8)



MS705-3J-1B Hexagon male 11mm key
MS705-3J-2B Without key
MS705-3J-3B Without key

MS705-3J-1B	MS705-3J-2B	MS705-3J-3B
ERP MS705S4AT09001	MS705S4AT32004	MS705S4AT32003

Remark:Default cam S1B4507,T=4 (Optional cam8×8)

MS705-3J



IP55

Main material and finish : Stainless steel housing,insert,nut,screw,cam.

Application:Quarter-turn opening or closing

Remark: Optional three types of insert.

ERP of Cam:S1B45Y07002

Performance parameter:
Maximum static load:270N
Recommended nut tightening torque:20N.m
Maximum input torque:9N.m

MS705-3U



RL IP54

Main material and finish : Black powder coated ZDC housing,or black PA housing,white zinc-plated steel cam
Application : Quarter-turn opening or closing

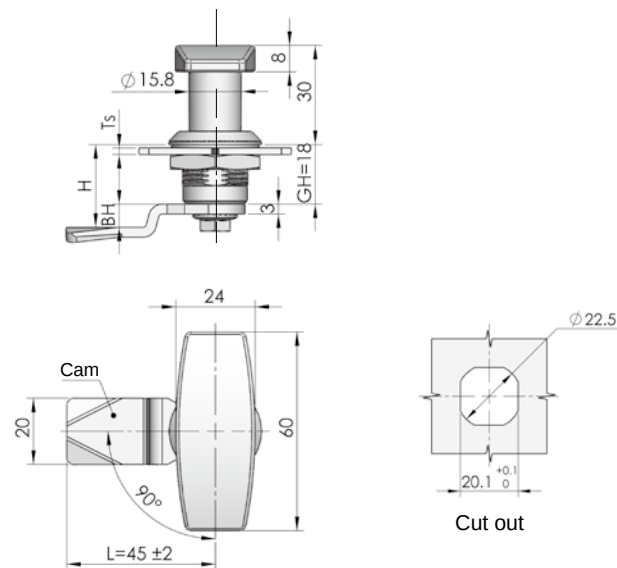
Default cam : S1B45Y07002

Performance parameter:

Maximum static load:220N

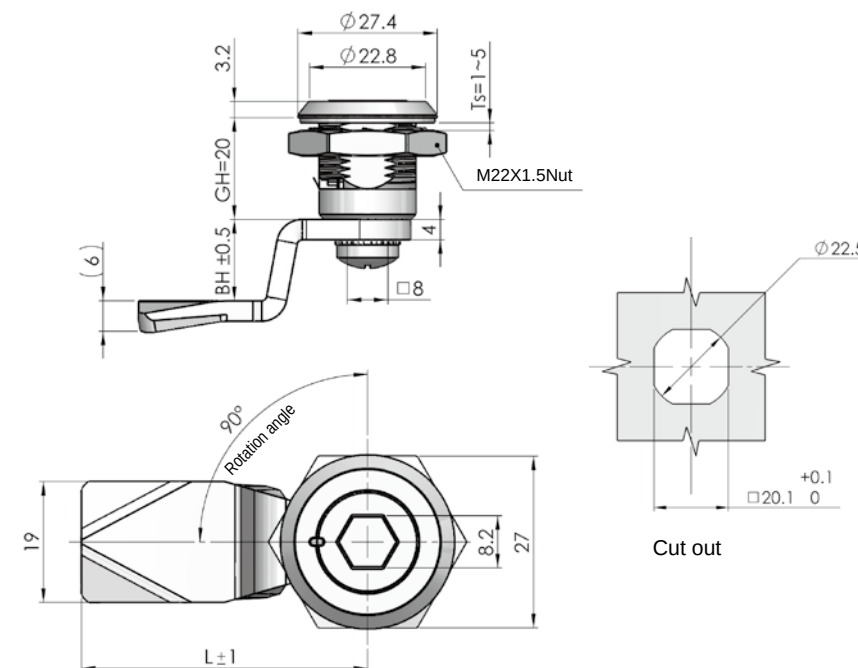
Recommended nut tightening torque:20N.m

Maximum input torque:20N.m



Specification	ZDC housing and handle		PA housing,ZDC handle	
	Model	ERP	Model	ERP
GH=18	MS705-3U-1	MS705Z1A000028	MS705-3U-1F	MS705N00000009
GH=28	MS705-3U-2	MS705Z1A000047	MS705-3U-2F	MS705N00000008
GH=36	MS705-3U-3	MS705Z1A000048	MS705-3U-3F	MS705N00000007
GH=62	MS705-3U-4	MS705Z1A000049	MS705-3U-4F	MS705N00000010

Remark : Default cam S1B4507 (cut out 8x8)



ERP

MS705Z2AT24005

MS705-24G



IP54

Main material and finish : Black painted ZDC housing,insert,nut,black zinc plated steel cam

Application:Quarter-turn opening or closing,with damping.

Performance parameter:

Maximum static load:270N

Recommended nut tightening torque:20N.m

Maximum input torque:9N.m

New product,Please consult technical department when ordering.

MS705-8G



IP55

Material: ZDC housing, insert, nut and steel cam.

Finish: bright chrome housing and insert; white plated cam.

Construction: Quarter turn opening or closing

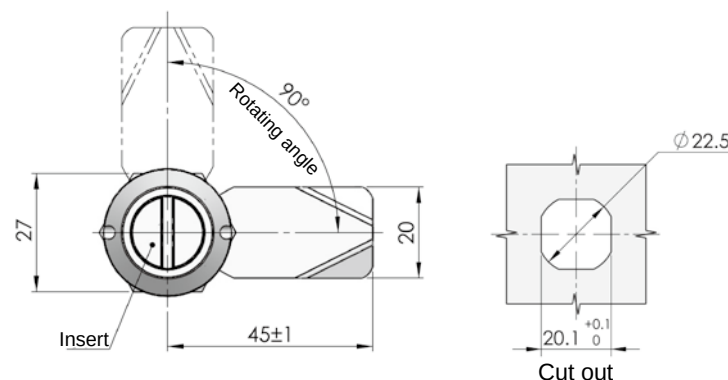
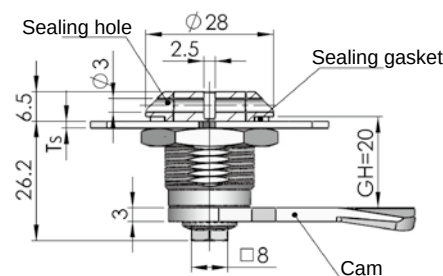
Default cam : S1B45Y00002

Performance parameter:

Maximum static load:270N

Recommended nut tightening torque:20N.m

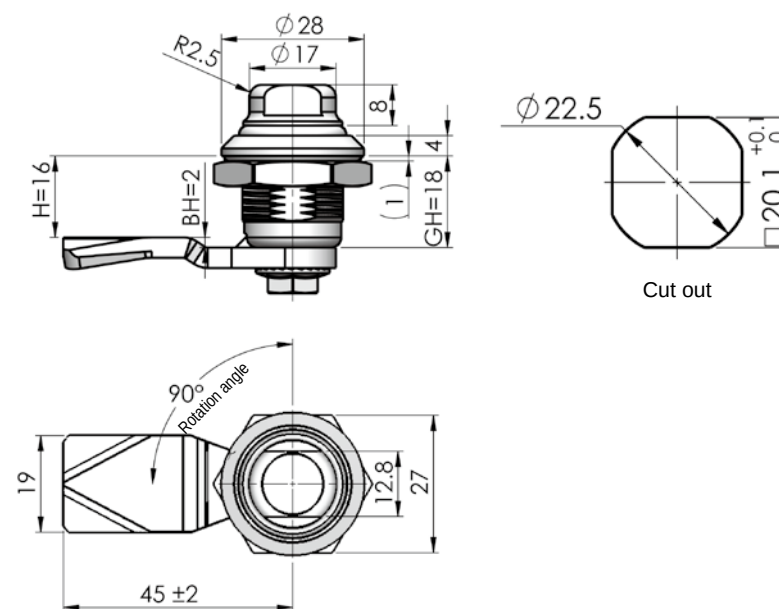
Maximum input torque:9N.m



ERP

MS705Z3AT10030

Remark: Default cam S1B4500 (Cutout 8x8)



ERP

MS705S00T13001

MS705-27



IP65

Main material and finish :Stainless steel 316 housing,insert,cam,screw.Cam electrolysis

Application:Quarter-turn opening or closing

Remark:Cam is optional.

Performance parameter:

Insert rotation torque:0.5N.m-2.5N.m

Cam load capability:300N.

Maximum input torque:9N.m

Recommended nut tightening torque:20N.m

MS706



Main material and finish: Bright chrome plated ZDC housing and insert, white zinc plated steel cam

Application: Cam 180 degree rotation to open or lock

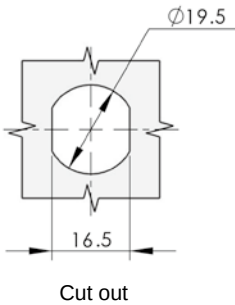
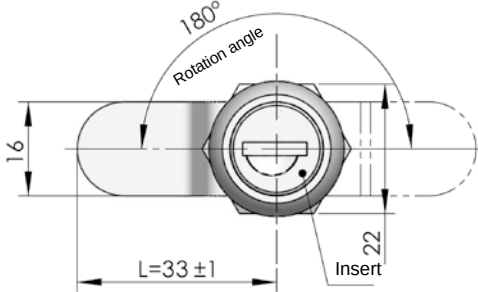
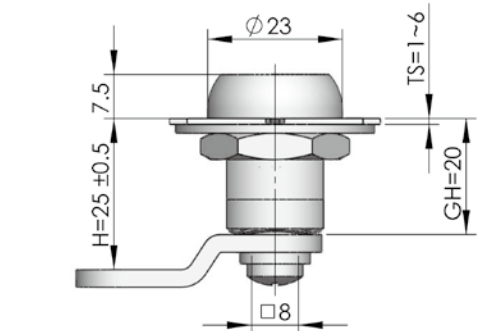
Remark: Default key K130

Default cam : S1B33Y06002

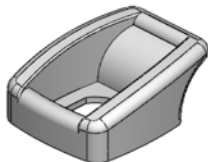
Performance parameter:

Maximum static load:100N

Recommended nut tightening torque:20N.m



WP003



HP002



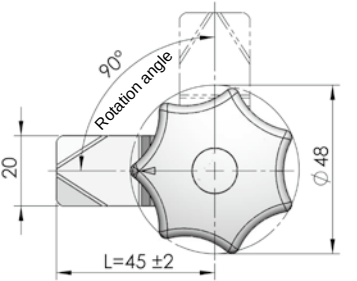
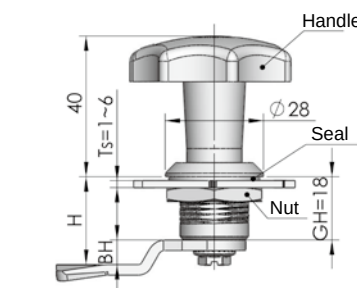
HP003



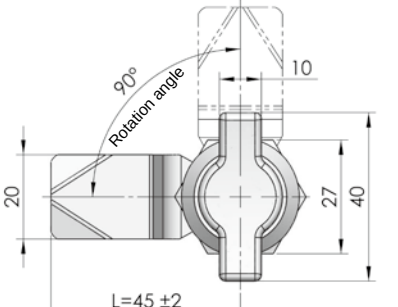
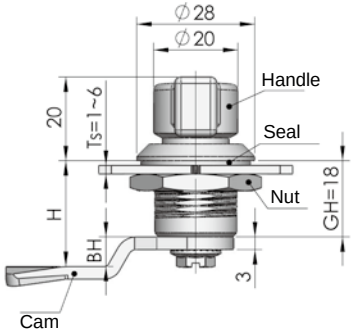
DP001

Model	ERP
MS706-1	MS706Z3A130001
MS706-2	MS706Z3A130012
MS706-3	MS706Z3A130004

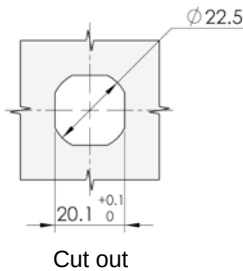
Remark : Default cam S1B3306



MS714-1 Series



MS714-2 Series



Specification	Knob			
	black powder coated ZDC housing, PA handle		PA housing and handle	
	Model	ERP	Model	ERP
GH=18	MS714-1-1	MS714Z1A000020	MS714-1A-1	MS714N00000001
GH=28	MS714-1-2	MS714Z1A000002	MS714-1A-2	MS714N000000002
GH=36	MS714-1-3	MS714Z1A000003	MS714-1A-3	MS714N000000003
GH=62	MS714-1-4	MS714Z1A000004	MS714-1A-4	MS714N000000004

Specification	Handle			
	black powder coated ZDC housing, PA handle		PA housing and handle	
	Model	ERP	Model	ERP
GH=18	MS714-2-1	MS714Z1A000040	MS714-2A-1	MS714N000000014
GH=28	MS714-2-2	MS714Z1A000053	MS714-2A-2	MS714N000000006
GH=36	MS714-2-3	MS714Z1A000054	MS714-2A-3	MS714N000000007
GH=62	MS714-2-4	MS714Z1A000008	MS714-2A-4	MS714N000000008

Remark: Default cam S1B4507 (cut out 8x8)

MS714-1



MS714-2



RL IP54

Main material and finish : Black powder coated ZDC housing or PA housing,PA handle, white zinc plated steel cam

Application : Quarter-turn opening or closing

MS714-2 Performance parameter:

Maximum static load:220N

Recommended nut tightening torque:20N.m

Maximum input torque:9N.m

MS714-3

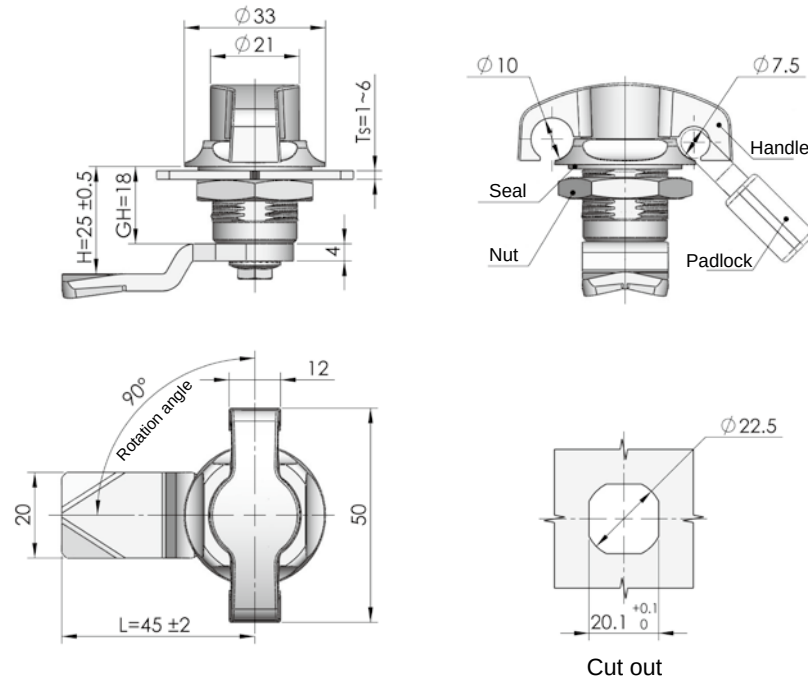


RL IP54

Main material and finish : Pocked black powder coated ZDC housing and handle, white zinc-plated steel cam
Application : Handle 90 degree quarter-turn opening or closing

Default cam : S1B45Y07005

Performance parameter:
Maximum static load:250N
Recommended nut tightening torque:20N.m
Maximum input torque:18N.m



ERP	MS714Z1B000007
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Remark: Default cam S1B4507, T=4 (cut out 8x8)

MS714-4

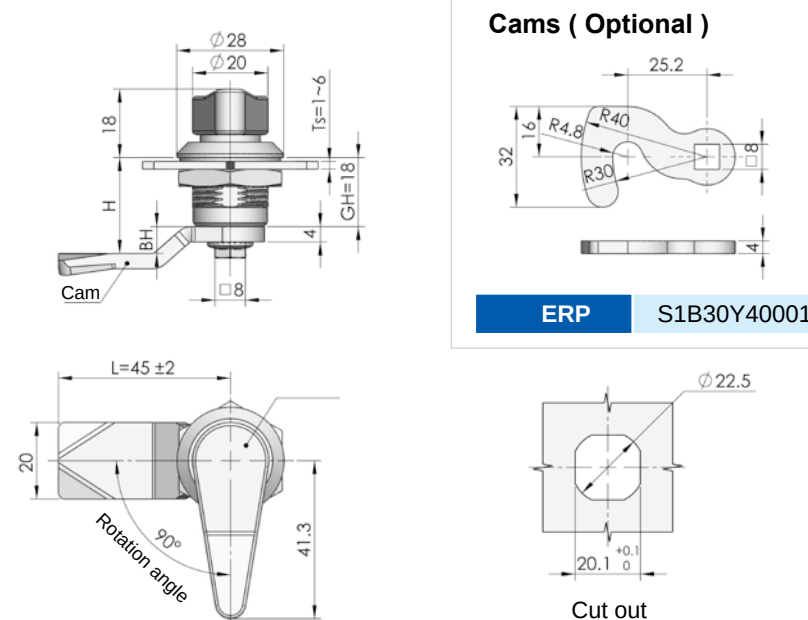


RL IP54

Main material and finish : Pocked black powder coated ZDC housing, PA handle, white zinc-plated steel cam
Application : Handle 90 degree quarter-turn opening or closing

Default cam : S1B45Y07005

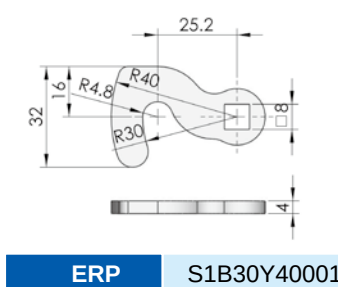
Performance parameter:
Maximum static load:250N
Recommended nut tightening torque:20N.m
Maximum input torque:18N.m



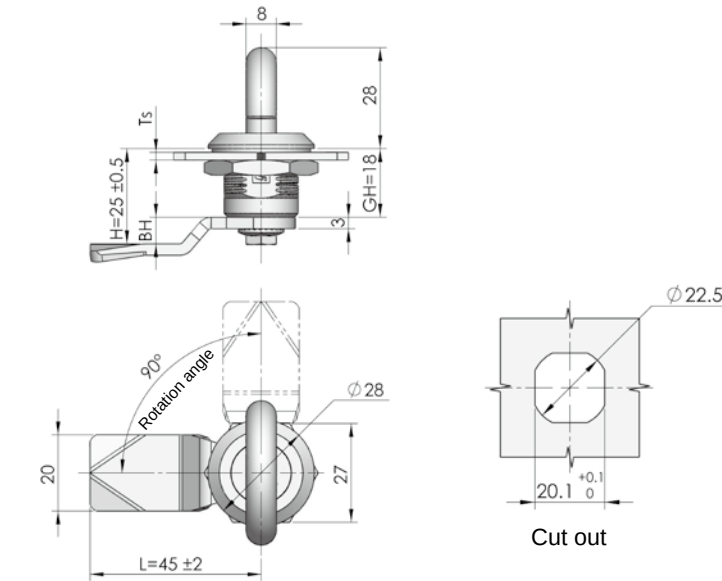
Specification	ZDC housing, PA handle		PA housing and handle	
	Model	ERP	Model	ERP
GH=18	MS714-4-1	MS714Z1A000061	MS714-4A-1	MS714N00000009
GH=28	MS714-4-2	MS714Z1A000013	MS714-4A-2	MS714N000000010
GH=36	MS714-4-3	MS714Z1A000014	MS714-4A-3	MS714N000000011
GH=62	MS714-4-4	MS714Z1A000015	MS714-4A-4	MS714N000000012

Remark : Default cam S1B4507, T=4 (cut out 8x8)

Cams (Optional)



ERP	S1B30Y40001
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Specification	ZDC housing, bright chrome handle	PA housing and ZDC handle
GH=18	MS715Z3A000001	MS715N000000001
GH=28	MS715Z3A000002	MS715N000000002
GH=36	MS715Z3A000003	MS715N000000003
GH=62	MS715Z3A000004	MS715N000000004

Remark: Default cam S1B4507, T=4 (cut out 8x8)

MS715



RL IP54

Main material and finish : Bright chrome-plated ZDC housing or PA housing, bright chrome plated ZDC handle, white zinc-plated steel cam
Application : Handle 90 degree quarter-turn opening or closing

Default cam : S1B45Y07002

Performance parameter:
Maximum static load:220N
Recommended nut tightening torque:20N.m
Maximum input torque:11N.m

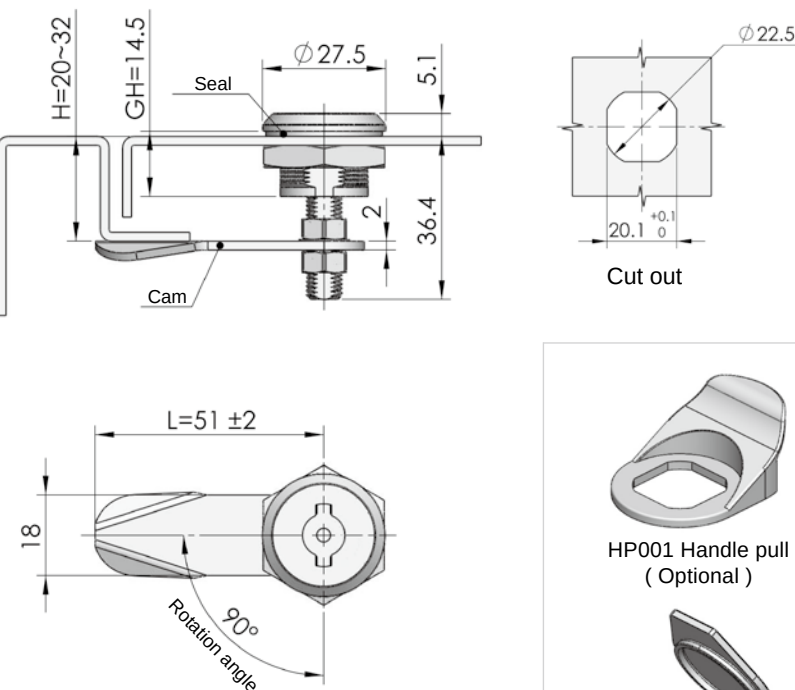
MS721



Main material and finish: Bright chrome-plated ZDC housing and insert, steel cam
Application : Handle 120 degree quarter-turn opening or closing

Default cam : S1W51Y00001

Performance parameter:
Maximum static load:220N
Recommended nut tightening torque:20N.m



ERP	MS721Z3AT01001
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Remark : Default cam S1W5100 (cut out 6x6)



WP002 Water-proof cap (Optional)

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

Seal gasket

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

MS722



RL **IP54**

Main material and finish: Bright chrome-plated ZDC housing, white zinc-plated steel cam and insert

Application : Quarter-turn opening or closing

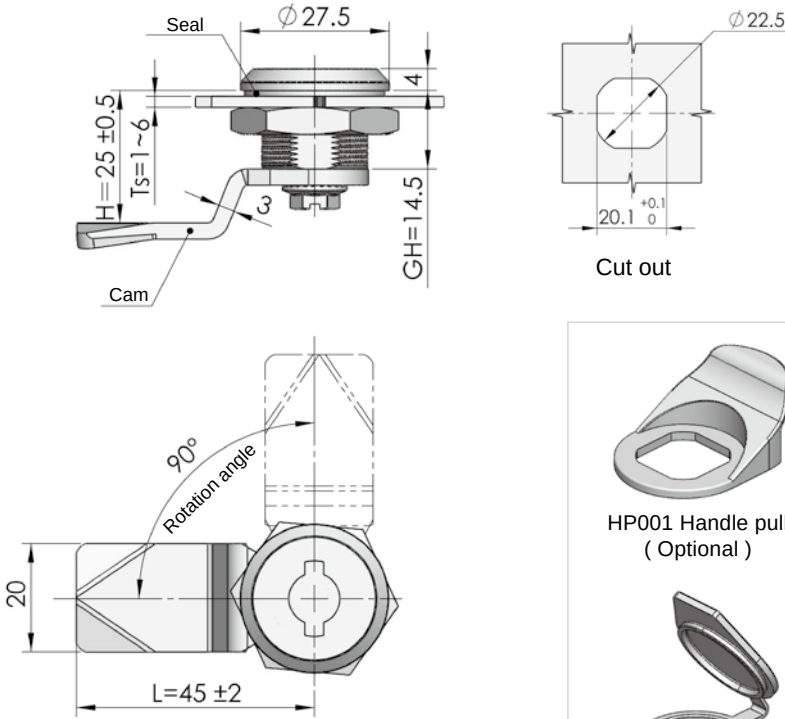
Remark : Optional key K15-1

Default cam : S1B45Y07002

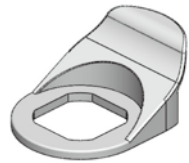
Performance parameter:

Maximum static load:220N

Recommended nut tightening torque:20N.m



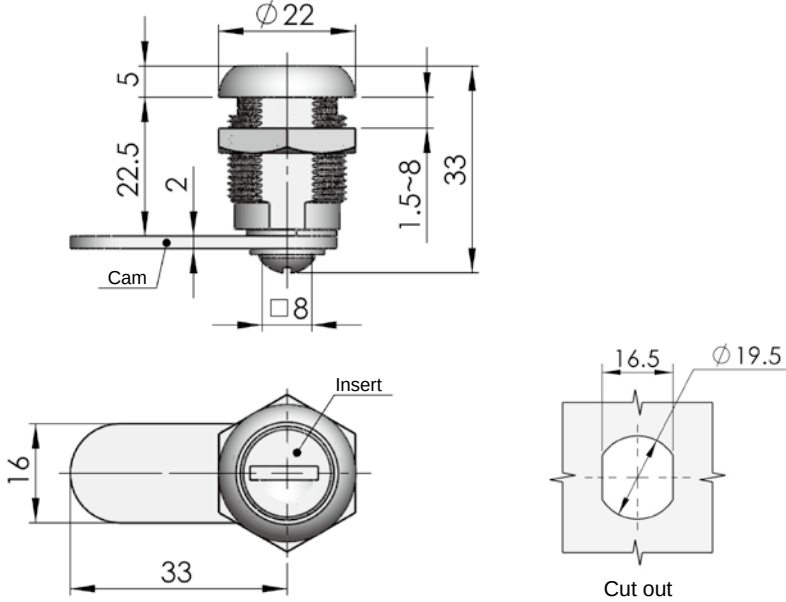
ERP MS722Z3AT01009
Remark: Default cam S1B4507,T=4 (cut out 8x8)



HP001 Handle pull
(Optional)



WP002 Water-proof
cap (Optional)



ERP MS733Z3A430009
Remark : Default cam S1B3300

MS733



RL

Main material and finish: Bright chrome-plated ZDC housing and insert, white zinc-plated steel cam

Application: Quarter-turn opening or closing

Remark: Default key K430

Default cam : S1B33Y00005

Performance parameter:

Maximum static load:220N

Recommended nut tightening torque:20N.m

MS729-1 MS729-2 MS729-3



RL

Main material and finish: Bright chrome plated ZDC housing and insert, white zinc plated steel cam

Application: Quarter-turn opening or closing

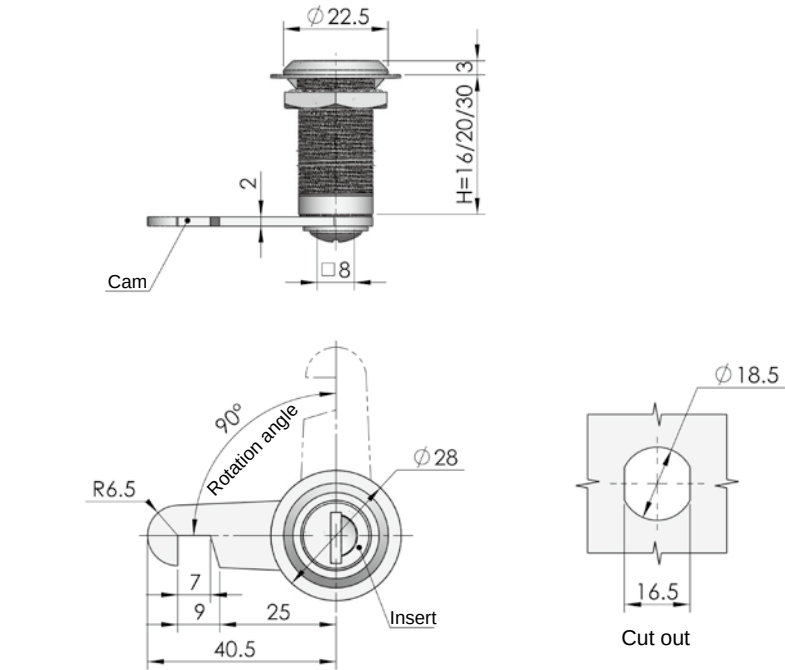
Remark: Default key K420

Default cam : S1B40Y00001

Performance parameter:

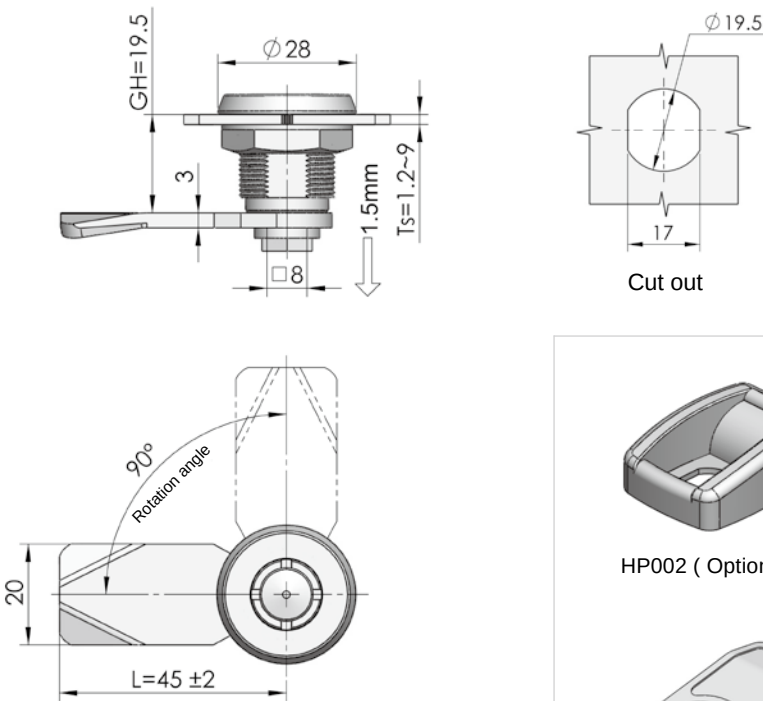
Maximum static load:150N

Recommended nut tightening torque:20N.m



	MS729-1	MS729-2	MS729-3
ERP	MS729Z3A420022	MS729Z3A420002	MS729Z3A420017

Remark : Default cam S1B4000



ERP MS734Z3AT12001
Remark : Default cam S1B4500 (cut out 8x8)

MS734



RL

Main material and finish : Bright chrome-plated ZDC housing and insert, white zinc-plated steel cam

Application : Quarter-turn opening or closing, with function of locking

Remark : Optional key K15-10

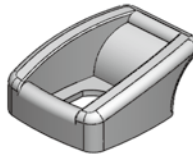
Default cam : S1B45Y00002

Performance parameter:

Maximum static load:270N

Recommended nut tightening torque:20N.m

Maximum input torque:8N.m



HP002 (Optional)



HP003 (Optional)

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

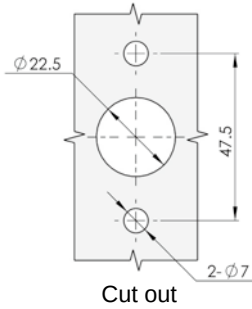
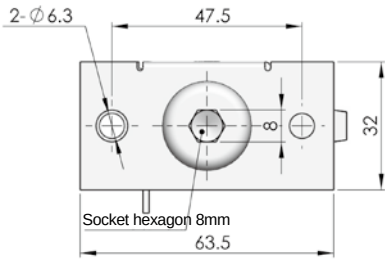
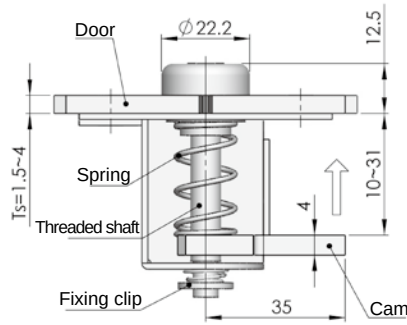
MS735



Main material and finish : White zinc-plated steel lock body.
Application : Quarter-turn opening or closing, with function of locking

Default cam : S1S35Y00001

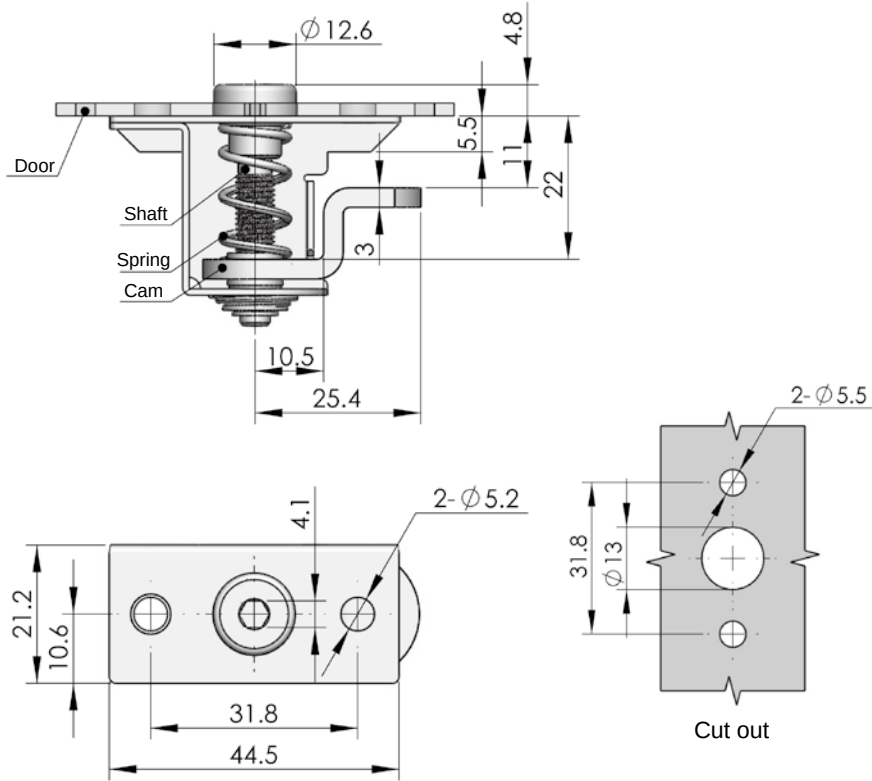
Performance parameter:
Maximum static load:160N
Maximum input torque:11N.m



ERP

MS735F3D000002

Remark : Default cam S1S3500



MS735-4



Main material and finish: White zinc-plated steel lock body
Application: Quarter-turn opening or closing, cam adjustable

Default cam : S1S25Y11001

Performance parameter:
Maximum static load:280N

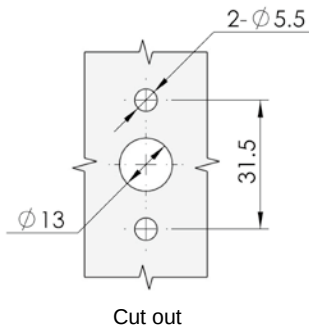
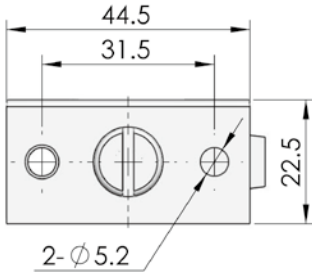
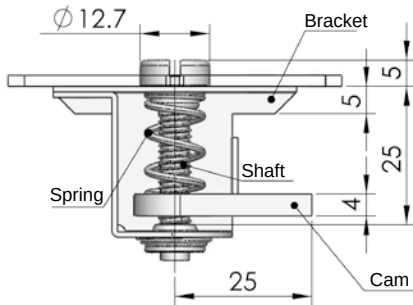
MS735-2



Main material and finish : Trivalent zinc-plated steel lock body.
Application : Quarter-turn opening or closing

Default cam : S1S25Y00001

Performance parameter:
Maximum static load:160N
Maximum input torque:11N.m

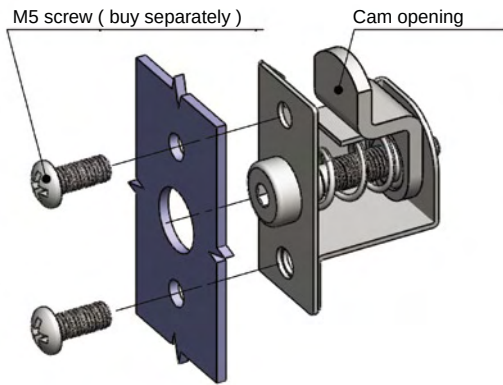


ERP

MS735F3E000001

Remark : Default cam S1S2500

Example of assembling



ERP

MS735F3D000001

Remark : Default cam S1S2511

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS741



R

Main material and finish: Bright chrome-plated ZDC housing and insert, white zinc plated steel cam

Application: Quarter-turn opening or closing, with function of locking automatically

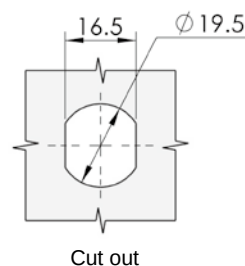
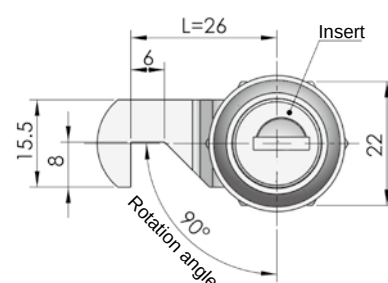
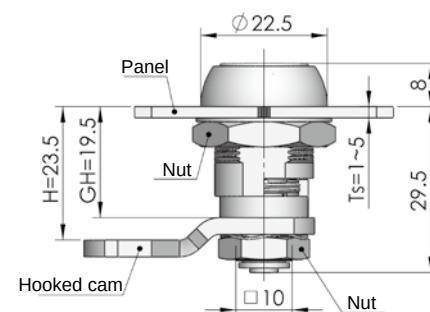
Remark: Default key K160

Default cam : S1C32Y04001

Performance parameter:

Maximum static load:140N

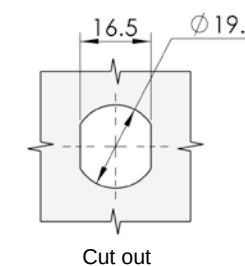
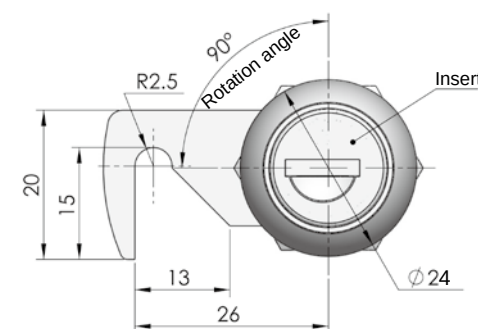
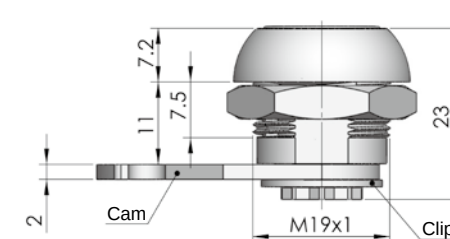
Recommended nut tightening torque:20N.m



ERP

MS741Z3A160001

Remark : Default cam S1C3204



ERP

MS743Z3A282001

Remark : Default cam S1B3000 (cut out 8x8)

MS743



IP40

Main material and finish: Bright chrome-plated ZDC housing, white zinc-plated steel cam

Application: Quarter-turn opening or closing

Remark: Default key K282

Default cam : S1B30Y00006

Performance parameter:

Maximum static load:140N

Recommended nut tightening torque:20N.m

MS742



R

L

Main material and finish: White zinc-plated steel housing cam and shaft , PA cap

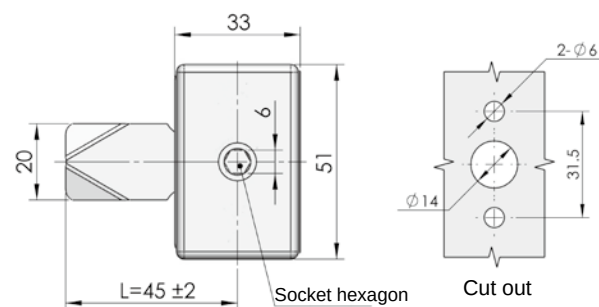
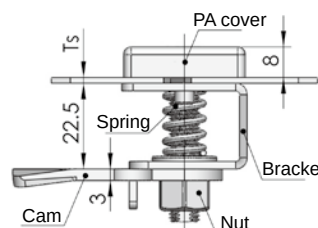
Application: Quarter-turn opening or closing

Default cam : S1K45Y00001

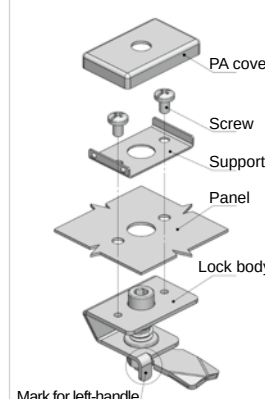
Performance parameter:

Maximum static load:140N

Maximum input torque:4N.m

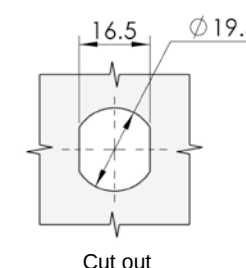
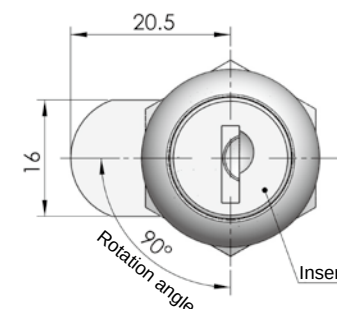
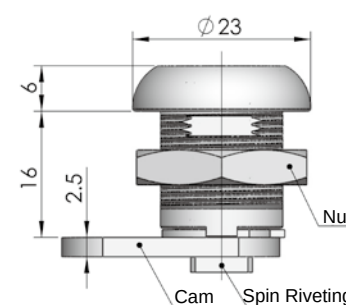


Exploded view



Specification	Model	ERP
Close from left rotation	MS742-Z	MS742F3D000001
Close from right rotation	MS742-Y	MS742F3D000002

Remark : Default cam S1K4500



ERP

MS744Z3D160002

Remark : Default cam S1B2000 (cut out 8x8)

MS744



RL

IP40

Main material and finish: White zinc-plated ZDC housing and steel cam

Application: Quarter-turn opening or closing

Remark: Default key K160

Default cam : S1B20Y00001

Performance parameter:

Maximum static load:130N

Recommended nut tightening torque:20N.m

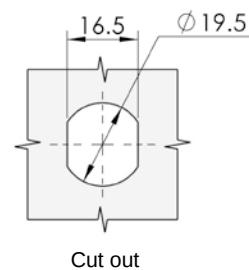
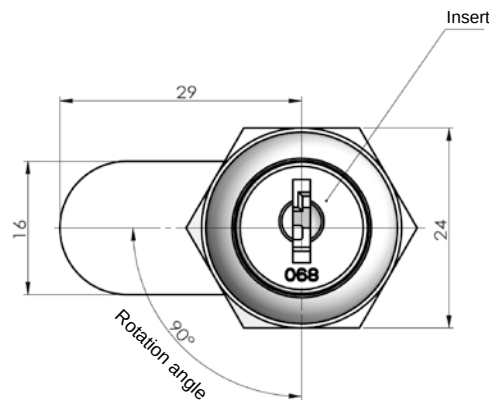
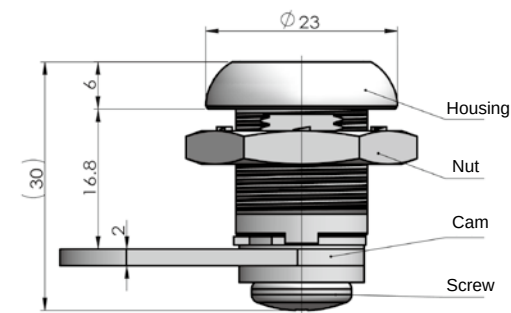
MS744-3



IP54

Main material and finish: ZDC housing, insert, white zinc plated steel cam
Application: Quarter-turn opening or closing
Remark: Default key K28-5

Performance parameter:
Maximum static load:140N
Recommended nut tightening torque:20N.m



ERP

MS744Z3A280001

MS745-1

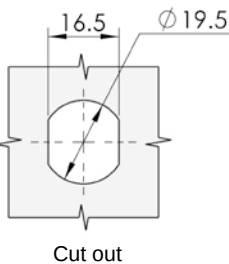
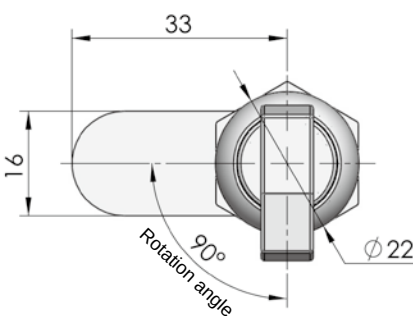
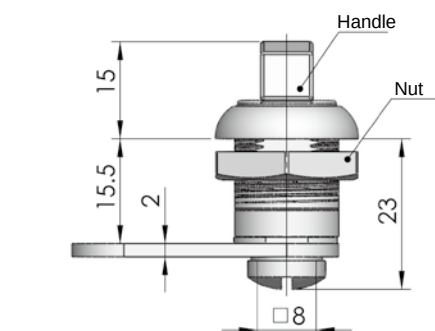


MS745-2

RL IP40

Main material and finish: Bright chrome-plated ZDC housing, white zinc-plated steel cam
Application: Quarter-turn opening or closing
Remark: Default key K080
Default cam : S1B33Y00005

Performance parameter:
Maximum static load:160N
Recommended nut tightening torque:20N.m
Maximum input torque:40N.m(Rotation type)



Specification

Model

ERP

With insert

MS745-1

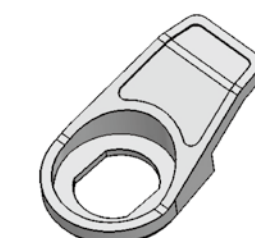
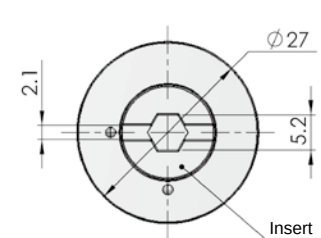
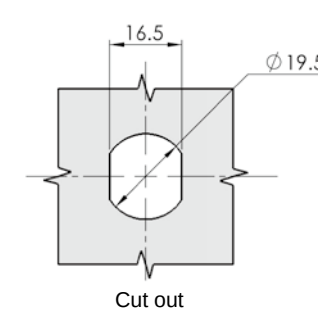
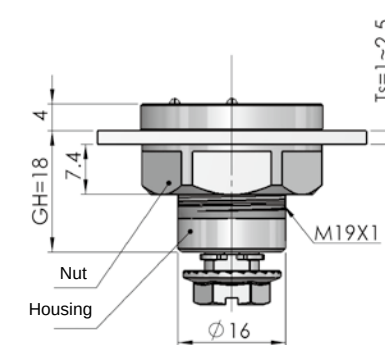
MS745Z3A080001

Knob

MS745-2

MS745Z3A000001

Remark : Default cam S1B3300

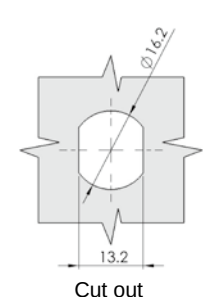
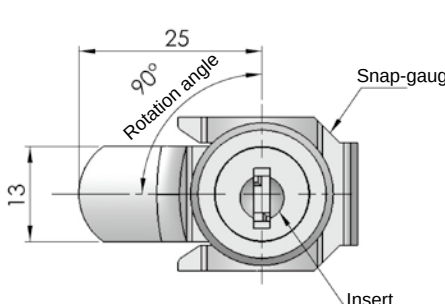
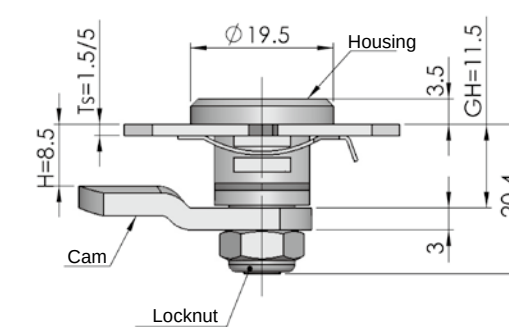


HP003Handle pull(optional)

ERP

With insert
MS745N00T10001

Without insert
MS745N00T10002



ERP

MS746Z1B400001

MS745-4



IP54

Main material and finish:PA housing and nut, Wire-drawing polishing stainless steel insert,check ring,screw
Application:Inner with positioning structure,90°rotation, with damping.
Remark:Default key K170

Performance parameter:
Maximum static load :100N
Recommended nut tightening torque:20N.m

MS746-2



Material and finish: Pocked black powder coated ZDC housing and insert, white zinc plated steel cam
Remark: Default key K40

Performance parameter:
Maximum static load:140N
Recommended nut tightening torque:20N.m

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

MS748



RL IP54

Main material and finish: Black powder-coated ZDC housing, handle and insert, white zinc plated steel cam

Application: Quarter-turn opening or closing

Remark: Default key K160

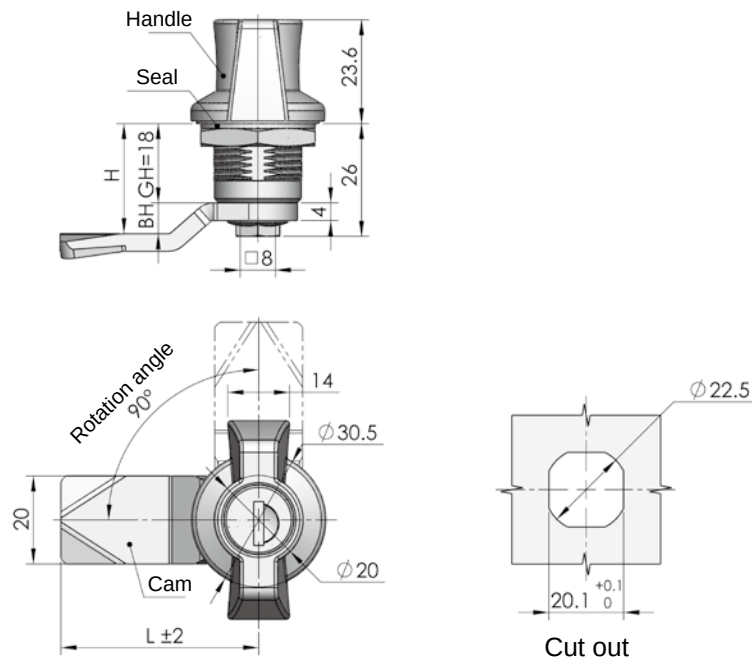
Default cam : S1B45Y07002

Performance parameter:

Maximum static load:270N

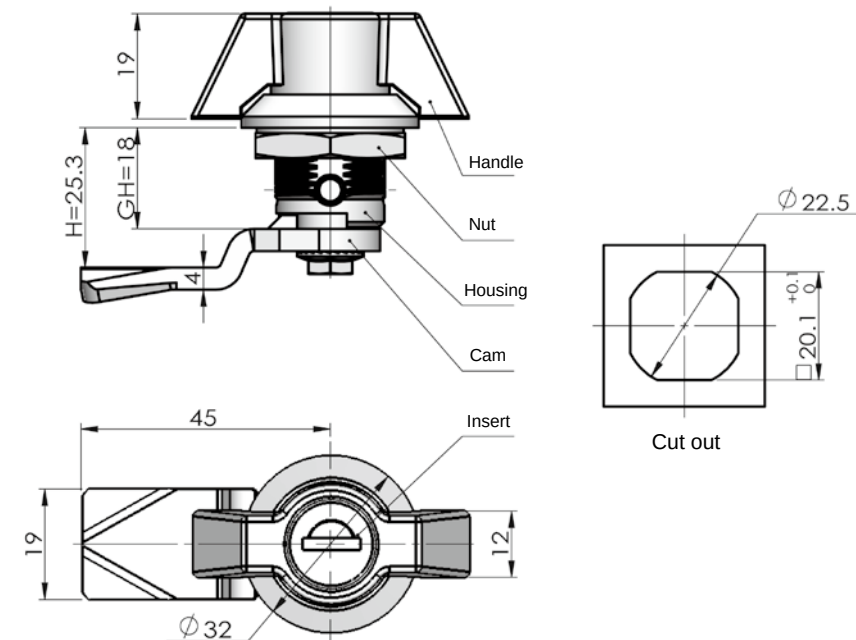
Recommended nut tightening torque:20N.m

Maximum input torque:30N.m



Black powder coated housing		Bright chrome-plated housing	
Model	ERP	Model	ERP
MS748-1	MS748Z1A040005	MS748-1	MS748Z3A160009
MS748-2	MS748Z1A160011	MS748-2	MS748Z3A160002

Remark : Default cam:S1B4500 (cut out 8x8)



ERP

MS748Z2C160001

MS748-3B



Main material and finish:Pocked black powder coated ZDC housing, insert, handle, stainless steel cam(Passivation +electrophoresis paint).

Application:Quarter-turn opening or closing

Remark:Default insert L1C0160,Key K16

Performance parameter:

Maximum static load:270N

Recommended nut tightening torque:20N.m

Maximum input torque:30N.m

MS748-3/3A



IP65

Main material and finish: Pocked black powder coated ZDC housing,PA handle,White zinc plated steel cam.

Application:quarter-turn opening or closing

Remark:Default key K190

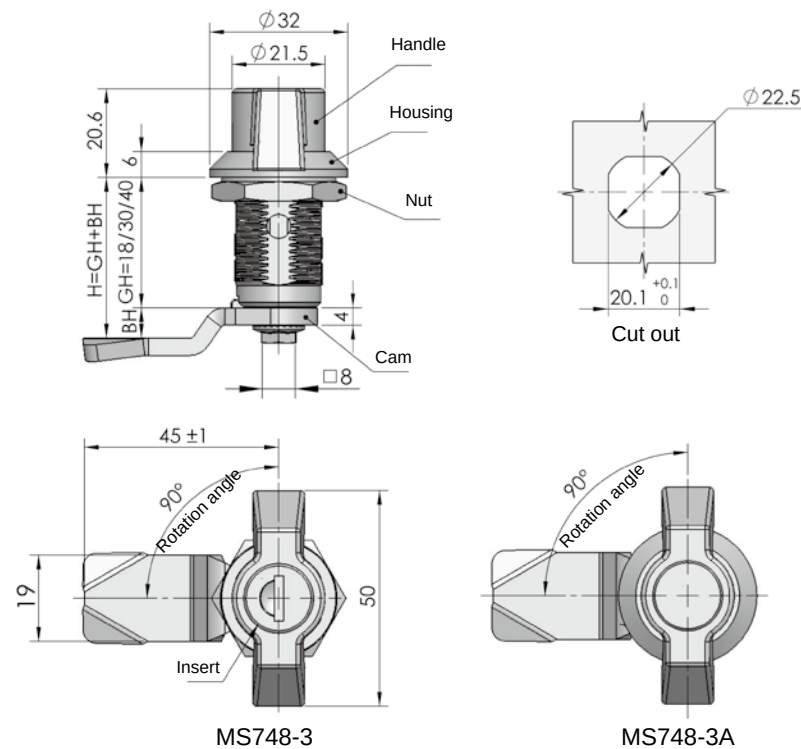
Default cam : S1B45Y07019(Default)

Performance parameter:

Maximum static load:270N

Recommended nut tightening torque:20N.m

Maximum input torque:30N.m

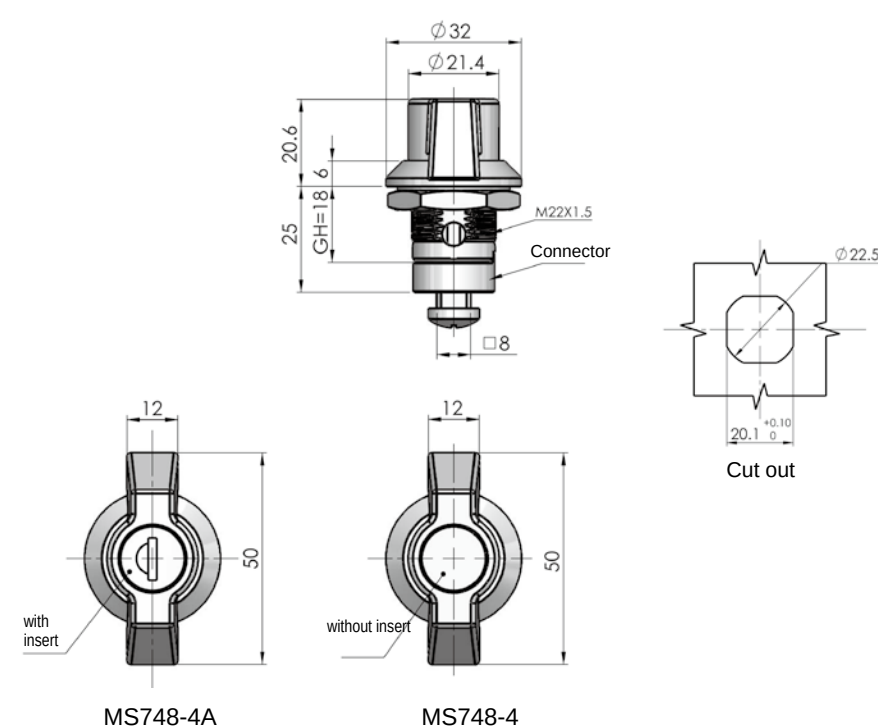


MS748-3

MS748-3A

MS748-3		MS748-3A	
ERP	MS748Z1B190002	ERP	MS748Z1B000006

Remark:Default cam DS1B4507 T=4 (Optional cam 8×8)



MS748-4A

MS748-4

MS748-4	
ERP	MS748Z2A000001

MS748-4



Main material and finish:Black painted ZDC housing,handle,white zinc plated nut.

Application:Without insert,quarter-turn opening or closing.Automatic return after release.

Remark:Default key K190

Performance parameter:

Maximum static load:270N

Recommended nut tightening torque:20N.m

Maximum input torque:30N.m



Seal gasket

Hinge

Door stop

Handles

Toggle and hook

Panel lock

Rod control lock

Plane lock

Cylinder lock

Handle lock

Electronic lock

Accessories

Seal gasket

Hinge

Door stop

Handles

Toggle and hook

Panel lock

Rod control lock

Plane lock

Cylinder lock

Handle lock

Electronic lock

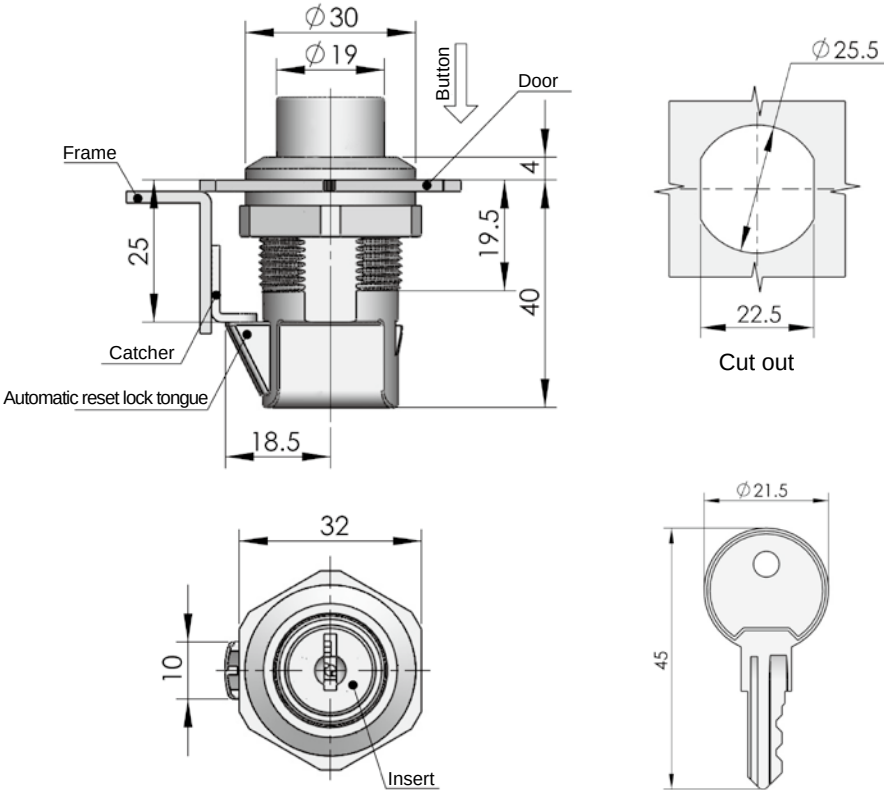
Accessories

MS753



Main material and finish: Black PC housing, insert, shaft pipe and lock tongue
Application: Automatic locked push type
Remark: Default key K160

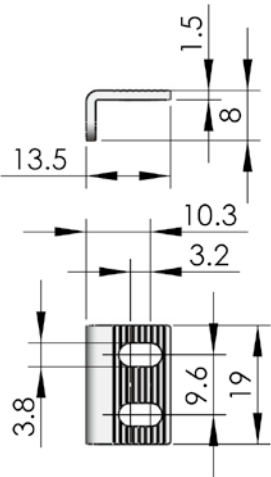
Performance parameter:
Maximum static load:240N



ERP

MS753N00160001

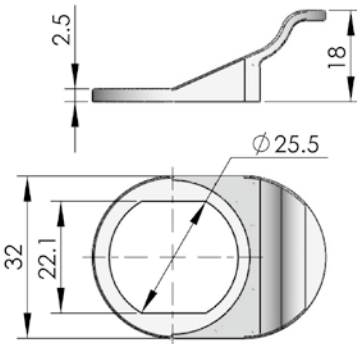
Catcher (Optional)



ERP

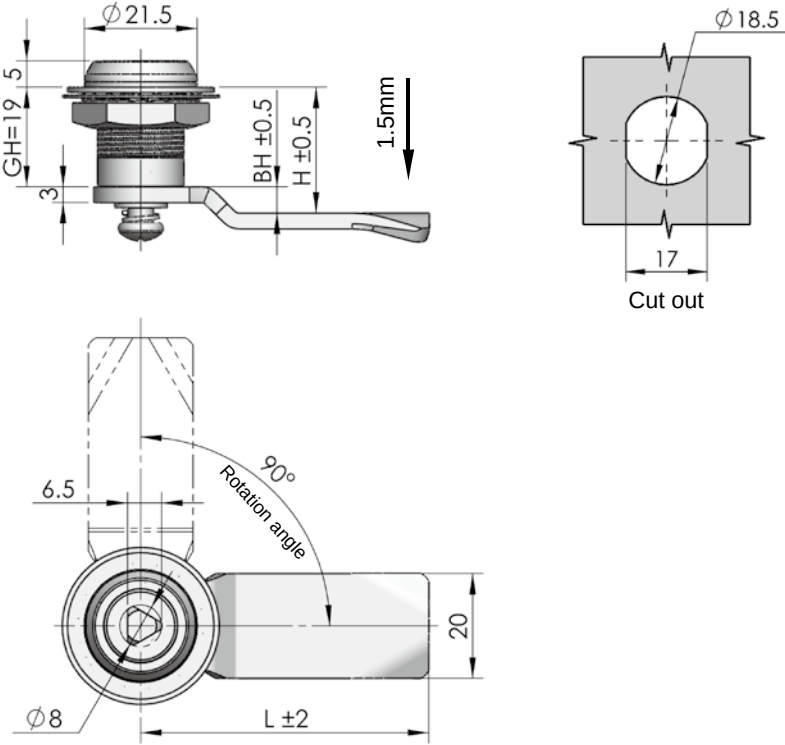
3658250001

Handle pull (Optional)



ERP

1150050002

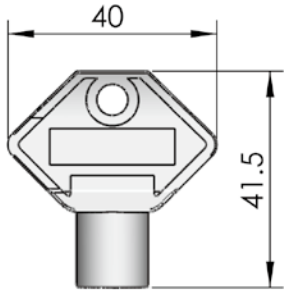


ERP

MS754Z3AT14001

Remark : Default cam S1B4502 (cut out 8x8)

Optional key



ERP

3290153005

MS754



Main material and finish: Bright chrome-plated ZDC housing, white zinc-plated ZDC insert and steel cam
Application: Automatic locked quarter-turn to open or close
Remark: Optional key K15-12F

Default cam : S1B45Y02005

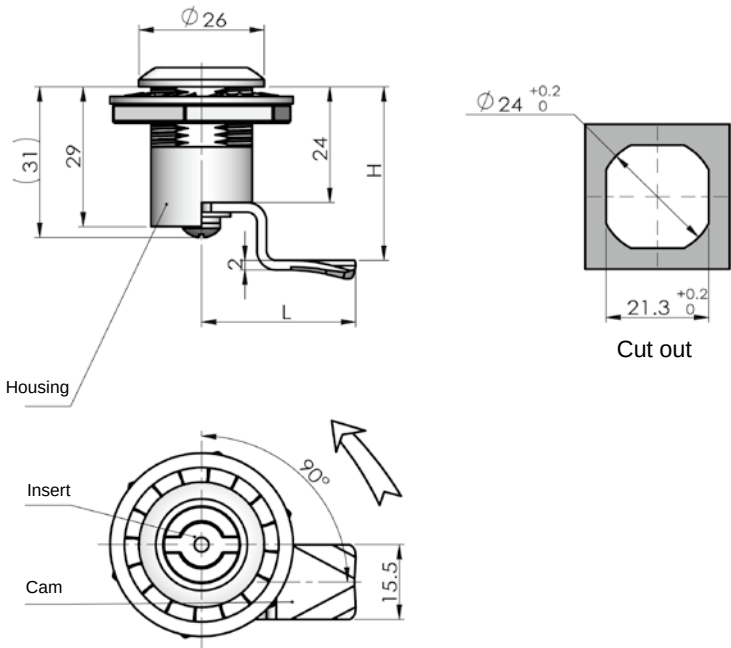
Performance parameter:
Maximum static load:270N
Recommended nut tightening torque:20N.m
Maximum input torque:10N.m

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

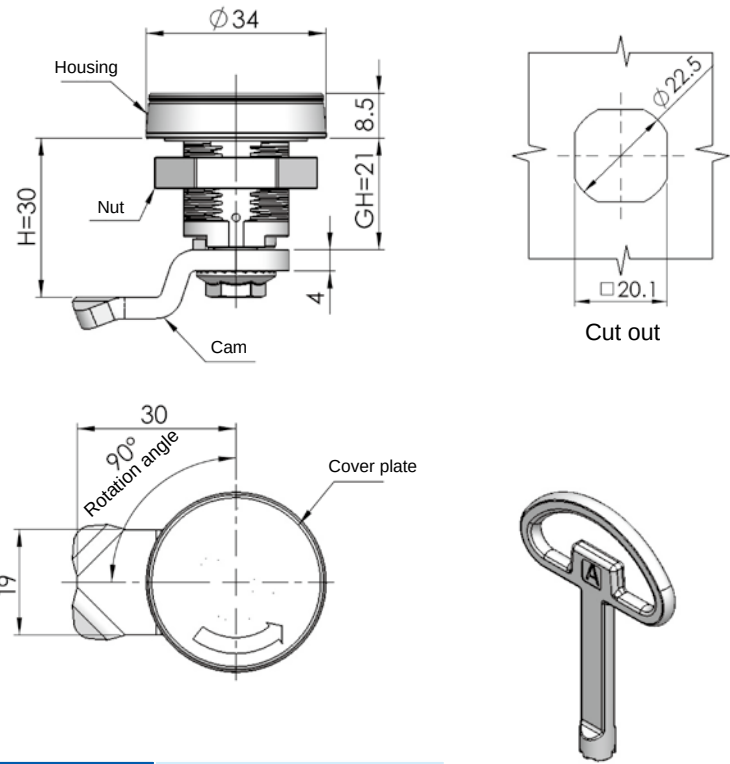
MS755



Main material and finish: Pocked black powder coated ZDC handle,housing,Color-zinc plated steel cam
Application:Quarter-turn opening or closing
Performance parameter:
Maximum static load:200N
Recommended nut tightening torque:20N.m
Maximum input torque:9N.m



Item	H	L	Cam ERP	ERP
2	36	32	S1A32Y12001	MS755Z1BT01001
1	43	34	S1A34Y19001	MS755Z1BT01004



ERP	MS758Z3AE04001
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MS758



RL

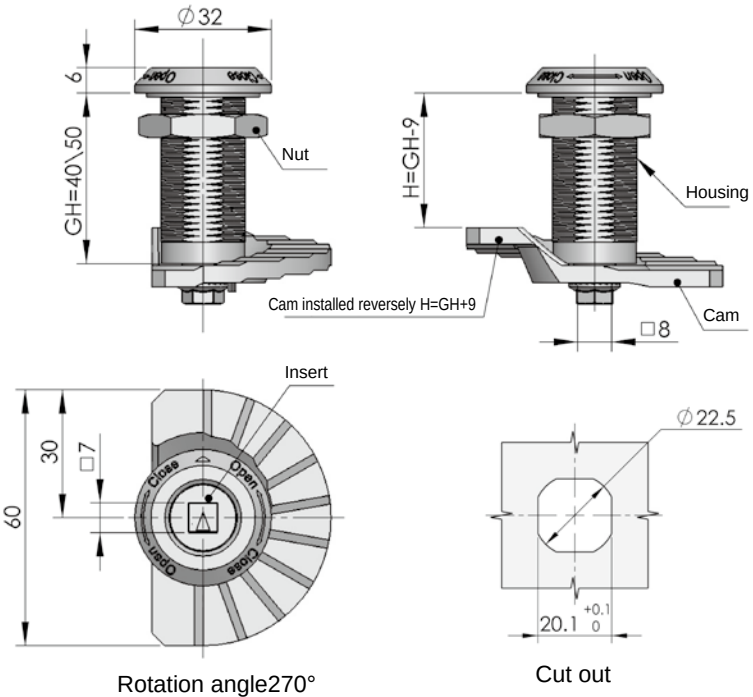
Main material and finish: Bright chrome plated ZDC housing,cover plate,insert,nut and key Stainless steel marble,cam and screw.
Remark:Three types key,A,B,C
Performance parameter:
Maximum static load:270N
Recommended nut tightening torque:20N.m
Maximum input torque:9N.m

MS756

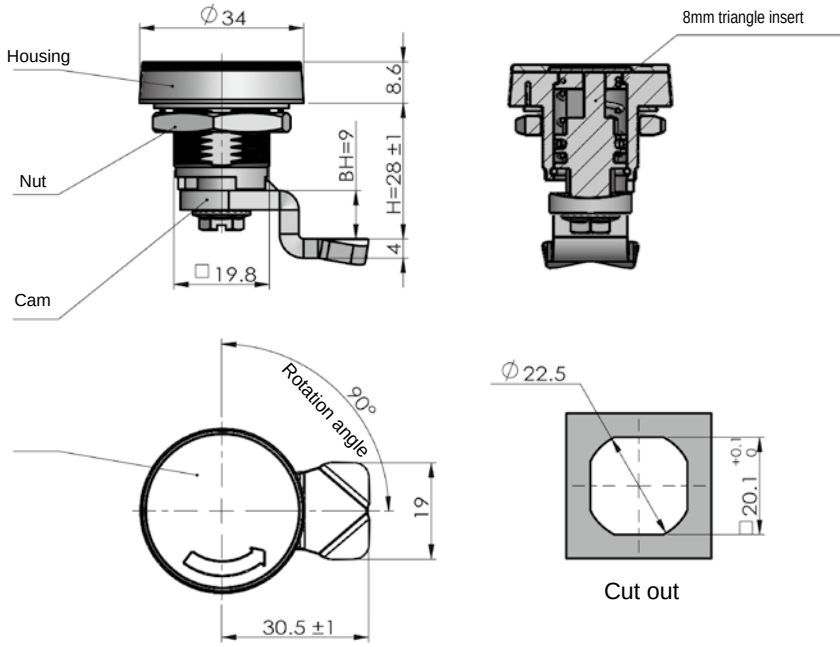


RL IP54

Main material and finish: Bright chrome plated ZDC housing,insert and cam
Application:Insert rotated 270° to open.
Remark:Optional key K15 series,Cam can be installed opposite.
Performance parameter:
Maximum static load:300N
Recommended nut tightening torque:20N.m
Maximum input torque:9N.m



Model	ERP
MS756-H40	MS756Z3AT06006
MS756-H50	MS756Z3AT06007



ERP	MS758Z3AT04001
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MS758-2



RL

Main material and finish:Bright chrome plated ZDC housing,insert,cover plate,Passivated stainless steel cam
Application:Quarter-turn opening or closing
Remark:8mm triangle insert can fit tool type key
Performance parameter:
Maximum static load:270N
Recommended nut tightening torque:20N.m
Maximum input torque:9N.m

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS760



RL IP54

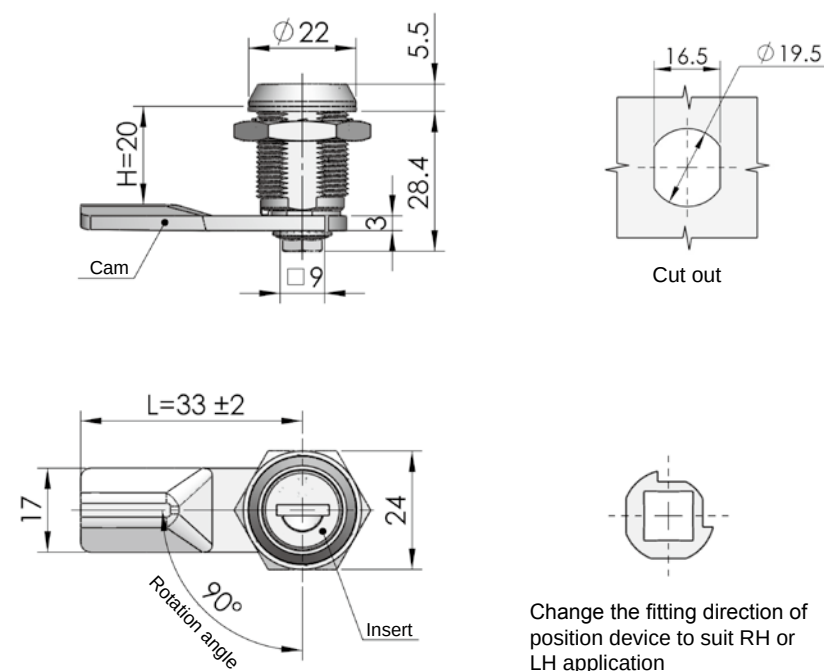
Main material and finish: Bright chrome-plated ZDC housing and insert, white zinc-plated steel cam

Application: Quarter-turn opening or closing

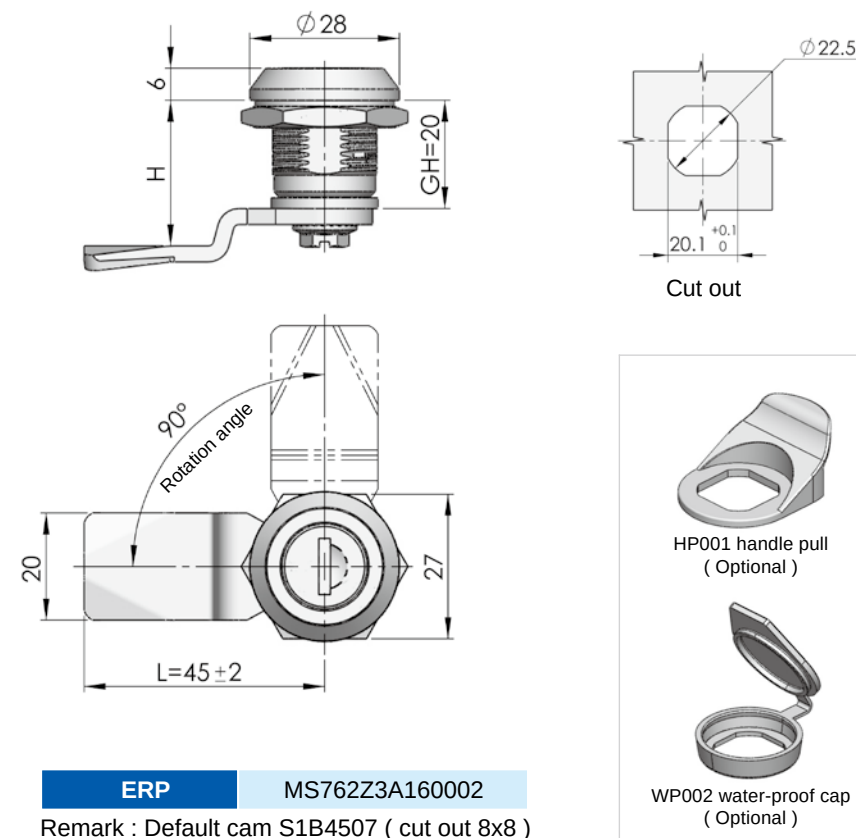
Remark: Default key K160

Default cam : S1V33N02001

Performance parameter:
Maximum static load:230N
Recommended nut tightening torque:20N.m



ERP MS760Z3A160001
Remark : Default cam S1V33N02



ERP MS762Z3A160002
Remark : Default cam S1B4507 (cut out 8x8)

MS762



RL

Main material and finish : Bright chrome-plated ZDC housing and insert,white zinc-plated steel cam

Application : Quarter-turn opening or closing

Remark : Default key K160

Default cam : S1B45Y07002

Performance parameter:
Maximum static load:270N

MS761



RL

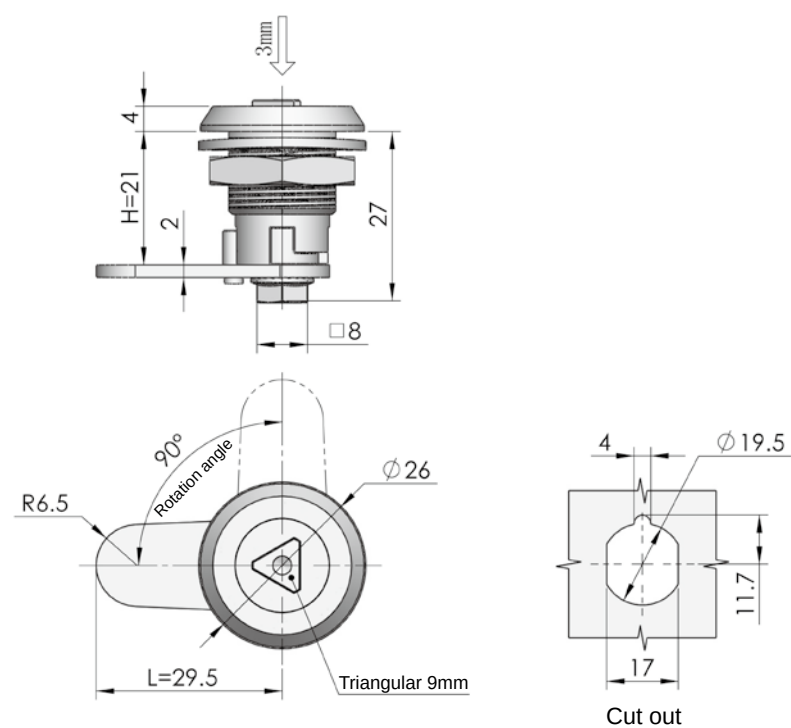
Main material and finish : Bright chrome-plated ZDC housing and steel insert, white zinc-plated steel cam

Application : Quarter-turn opening or closing, with function of locking

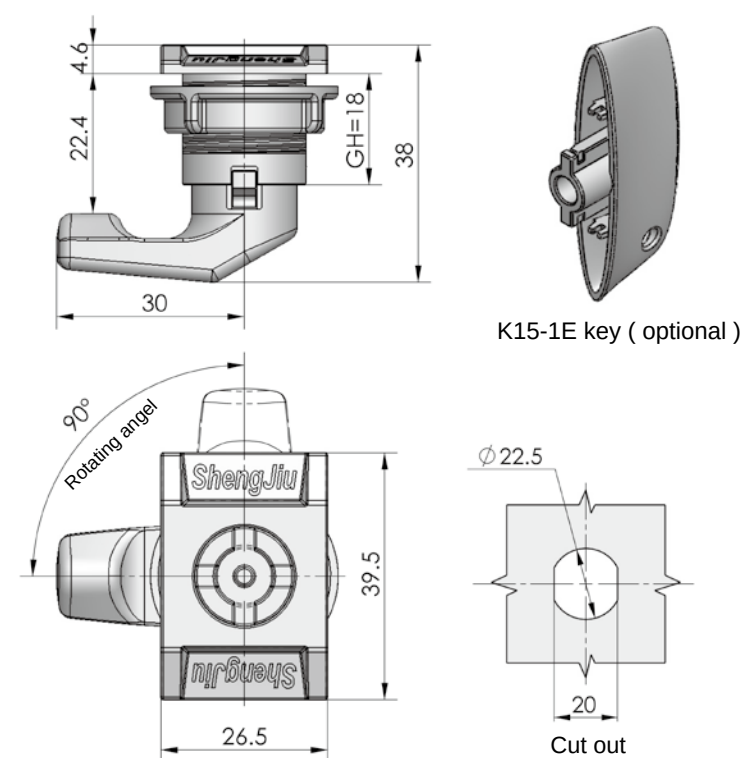
Remark : Optional key K15-04A

Default cam : S1B29Y00005

Performance parameter:
Maximum static load:92N
Recommended nut tightening torque:20N.m
Maximum input torque:6N.m



ERP MS761Z3AT04001
Remark: Default cam S1B2900



ERP MS769N00T01001

MS769-3



IP55

Material and finish: Plastic housing, insert and nut

Application: Quarter turn opening or closing

Performance parameter:
Maximum static load:80N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS769-1



MS769-2

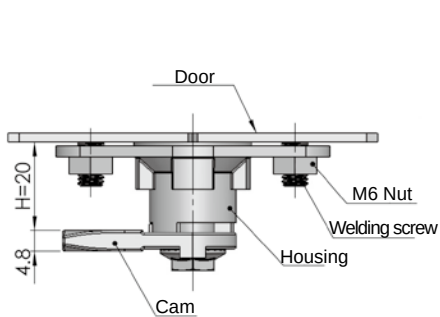


IP55

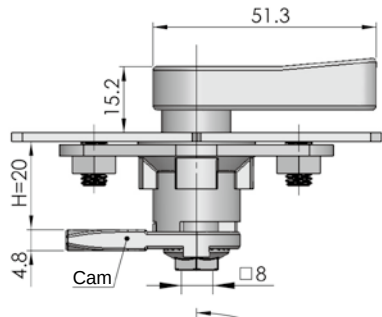
Material and finish: White zinc plated ZDC housing, cam and steel screw, stainless steel insert, ZDC plastic-covered handle

Default cam : S1B30Y00004

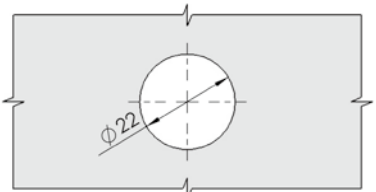
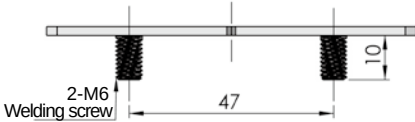
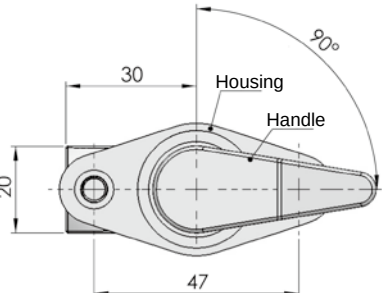
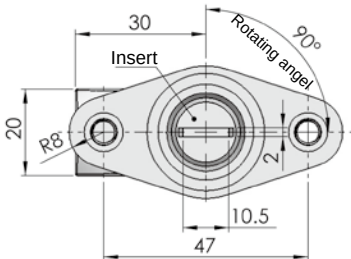
Performance parameter:
Maximum static load:270N



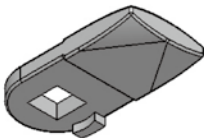
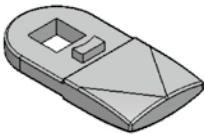
MS769-1



MS769-2



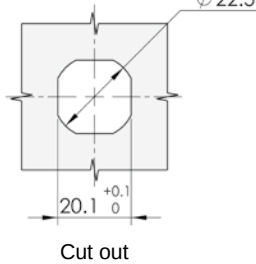
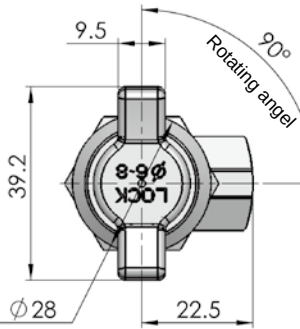
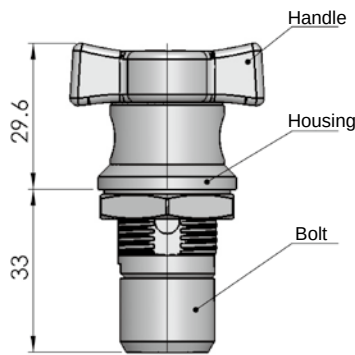
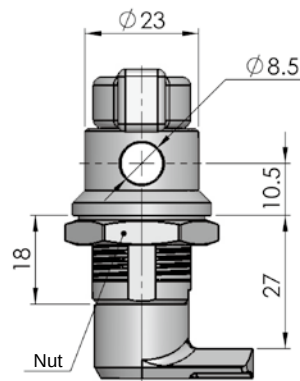
Cut out



Cam can be reversely installed, and rotating angel exceeds 90°

	MS769-1	MS769-2
ERP	MS769Z3DT10001	MS769Z3D000001

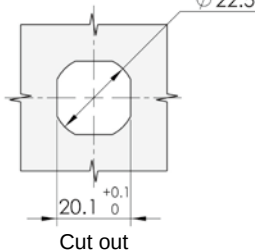
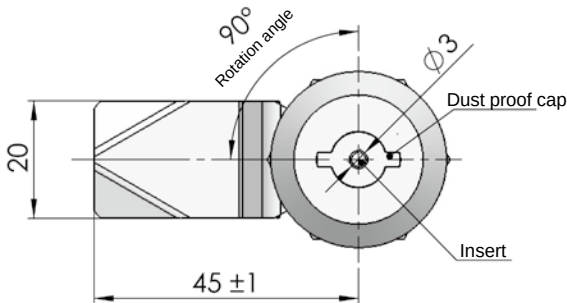
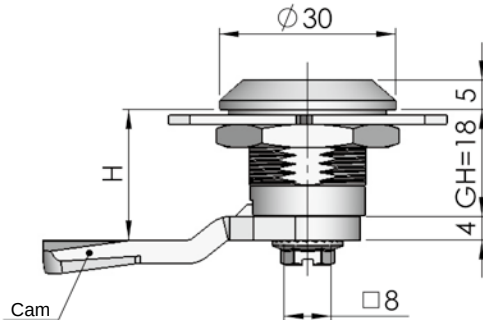
Remrks: Default cam S1B3000



ERP

MS772Z1D000001

Remark: Default cam S1B4502 T=4 (cut out 8x8)



ERP

MS773Z2AT01001

Remark : Default cam DS1B4504, T=4 (cut out 8x8)

MS772



RL

IP54

Main material and finish: Blue gray powder coated (RAL 7012) ZDC housing, PA handle,white zinc-plated steel cam
Application: 90 degree quarter-turn opening or closing

Default cam : S1B45Y02015

Performance parameter:
Maximum static load:970N
Recommended nut tightening torque:20N.m

MS773



RL

IP55

Main material and finish: Bright chrome plated ZDC housing, dust-proof cap and insert; white zinc plated ZDC nuts, white zinc plated steel cam and screw.
Remark: Default key K15 double bit key

Default cam : S1B45Y04008

Performance parameter:
Maximum static load:270N
Recommended nut tightening torque:20N.m
Maximum input torque:9N.m

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

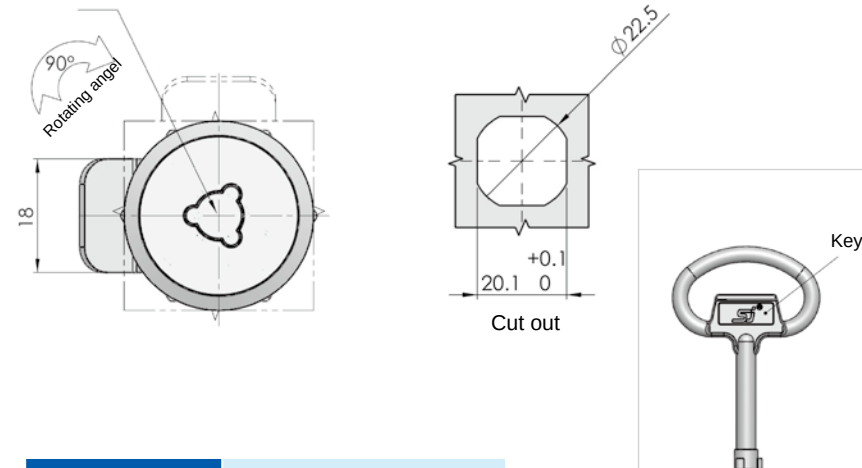
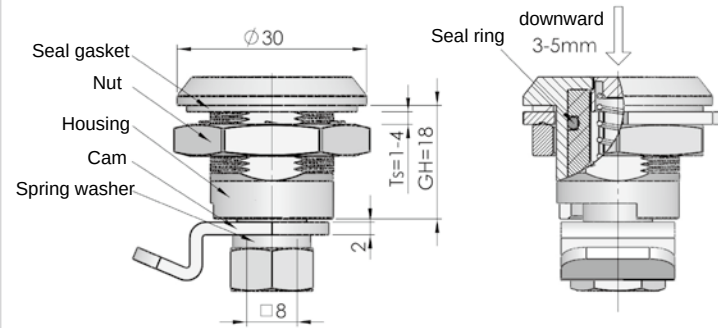
MS773-3



IP55

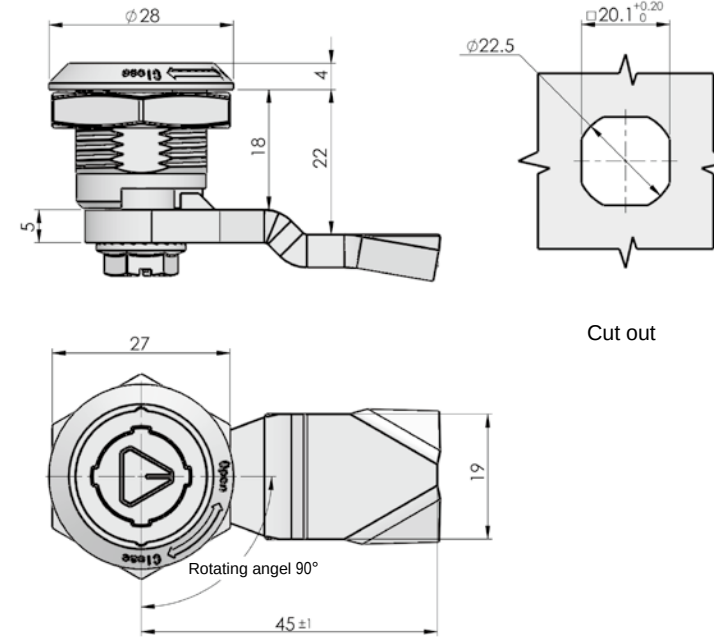
Main material and finish: Bright chrome plated ZDC housing cap and key; White zinc plated steel cam and insert.
Application: Press cap, rotated insert to open or close.

Performance parameter:
Maximum static load: 200N
Recommended nut tightening torque: 20N.m
Maximum input torque: 9N.m



ERP

MS773Z3AT07001



ERP

MS773Z3AT04002

MS773-5



Main material and finish: Bright chrome plated ZDC housing, white-zinc plated steel cam.
Application: Insert quarter-turn to open or close
Remark: Default key K15

Default cam: S1B45Y04027

Performance parameter:
Maximum static load: ≤270N
Recommended nut tightening torque: 20N.m

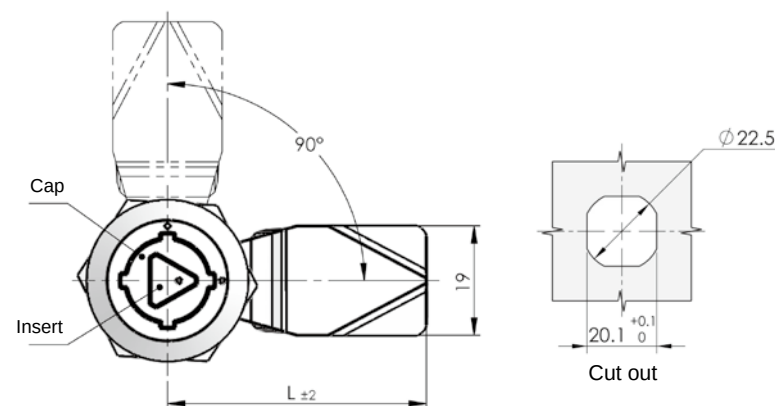
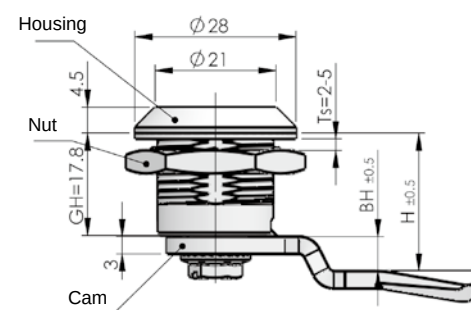
MS773-4



IP55

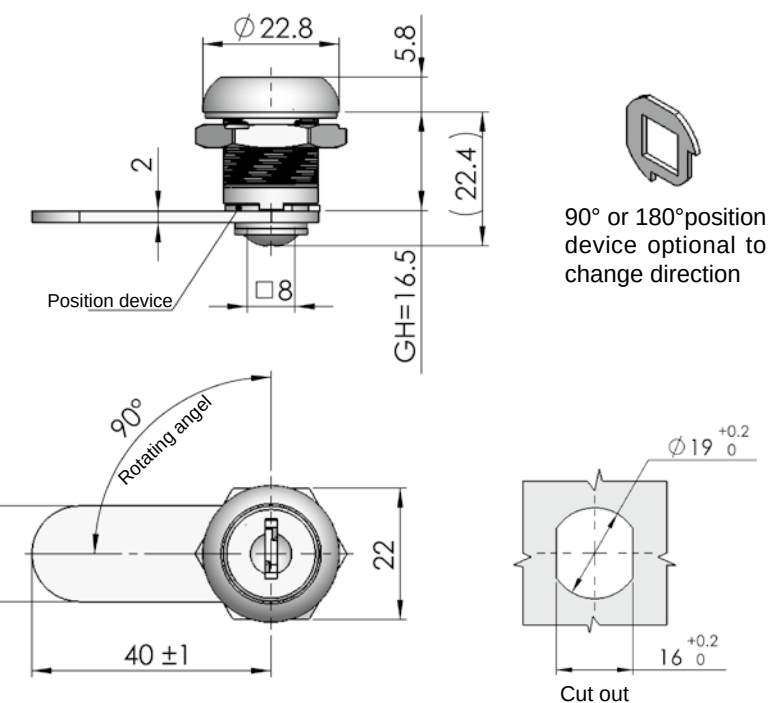
Main material and finish: Bright chrome plated ZDC housing, insert and cap, white zinc plated ZDC nuts, White zinc plated steel cam.
Application: Press cap, rotated insert 90° to open or close.

Performance parameter:
Maximum static load: 270N
Recommended nut tightening torque: 20N.m
Maximum input torque: 9N.m



ERP

MS773Z3AT03001



ERP

MS775N00024001

Remark : Default cam S1B4000

MS775-2



RL IP55

Main material and finish: Plastic housing and inset; white zinc plated ZDC nut, steel cam and screw; mirror polished stainless steel housing cap and inset cap
Remark: Default key K024

Default cam : S1B40Y00003

Performance Parameter:
Maximum static load: 180N

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket



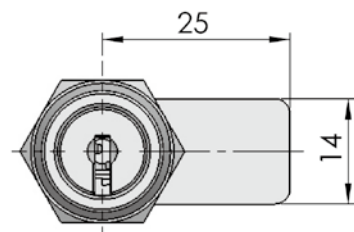
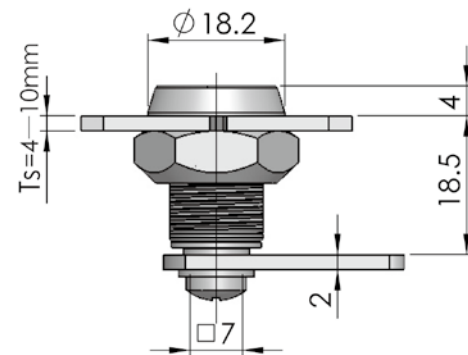
MS779

RL

Material and finish: Sand nickel plated ZDC housing and insert, white zinc plated steel nut, cam and screw.
Remark: Default key K50

Default cam : S1A25Y00001

Performance parameter:
Maximum static load: 180N

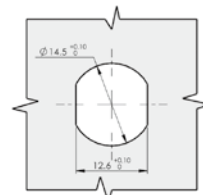


Clockwise rotate 180°

ERP

MS779Z3G501001

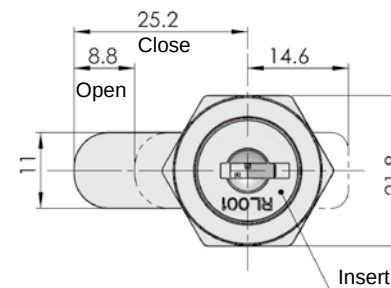
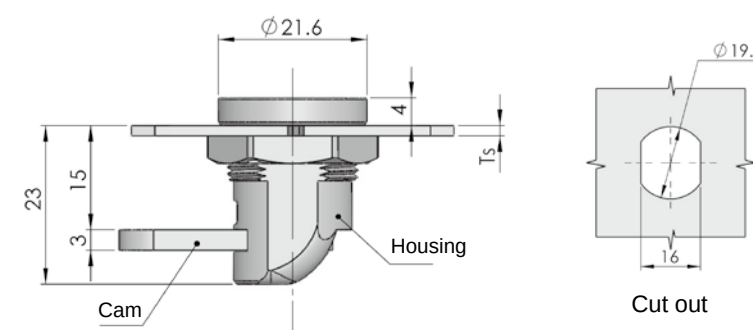
Remark: default cam S1A2500



Cut out

Note: Only applies to wood, soft door plank.

Default key K50



Optional key



K540

ERP

MS786Z2A540002



MS786

RL

Main material and finish: Black painted ZDC housing and insert, white zinc plated steel cam.

Application: Insert rotating 180° to drive the cam for opening and closing

Remark: Default key K540

Performance parameter:
Maximum static load: 220N

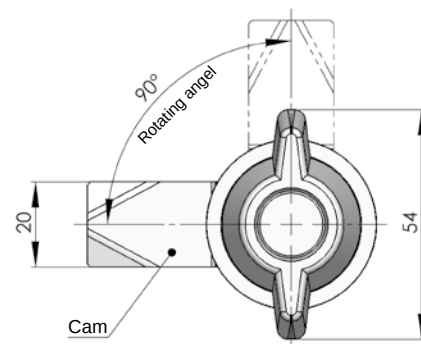
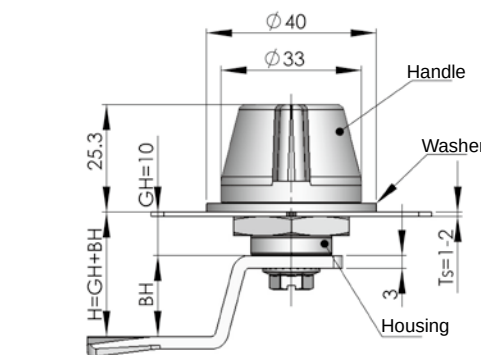


MS784

RL

Material and finish: White zinc plated ZDC housing and nut, white zinc plated steel cam, black plastic handle
Application: Handle rotating 90° opening or closing
Remark: S1H cam series
Default cam : S1H48Y19002

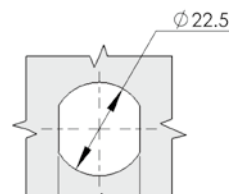
Performance parameter:
Maximum static load: 270N
Recommended nut tightening torque: 20N.m
Maximum input torque: 20N.m



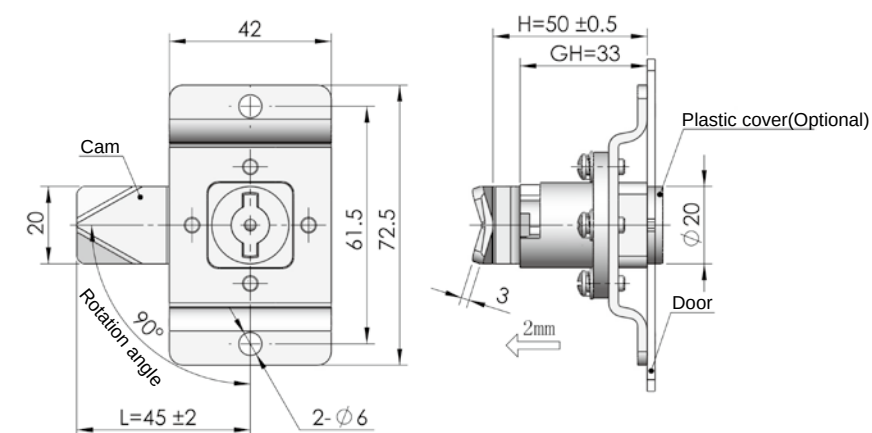
ERP

MS784Z3D000002

Remrks: Default cam S1H4819



Cut out



Cut out

ERP

MS801F3CT01003

Remark : Default cam DS1B4517 (cut out 8x8)



MS801-2

Main material and finish : White zinc-plated steel lock body, ABS plastic cover
Application : Quarter-turn opening or closing

Remark : Optional key K15-1

Default cam : S1B45Y17002

Performance parameter:
Maximum static load: 220N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket



MS804

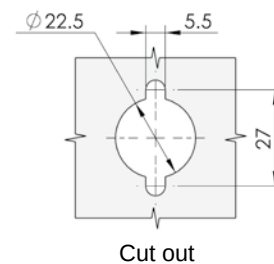
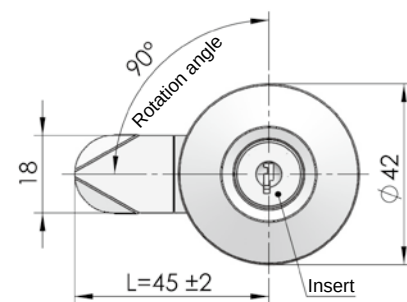
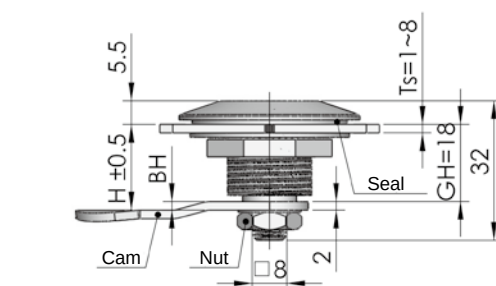
Main material and finish: Bright chrome-plated ZDC housing and insert, white zinc-plated steel cam

Application: Quarter-turn opening or closing

Remark: Default key K050

Default cam : S1B45Y02001 (Ts=2)

Performance parameter:
Maximum static load: 100N
Recommended nut tightening torque:20N.m



ERP MS804Z3A050008

Remark : Default cam S1B4502 (cut out 8x8)



MS805

RL

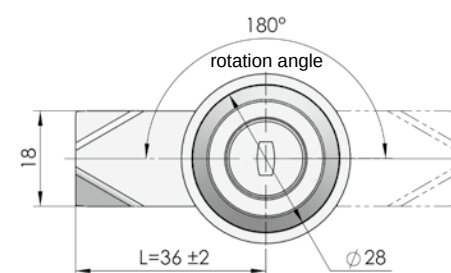
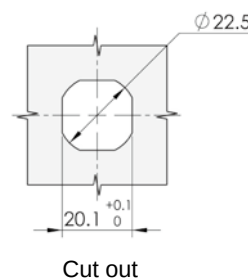
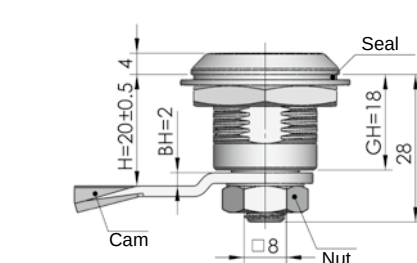
Main material and finish : Black powder coated ZDC housing and insert, white zinc-plated steel cam

Application : 180 degree rotation opening or closing

Remark : Default key K040

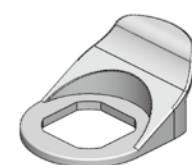
Default cam : S1B36Y02001

Performance parameter:
Maximum static load: 270N
Recommended nut tightening torque:20N.m
Maximum input torque: 20N.m



ERP MS805Z2A040005

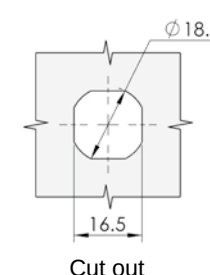
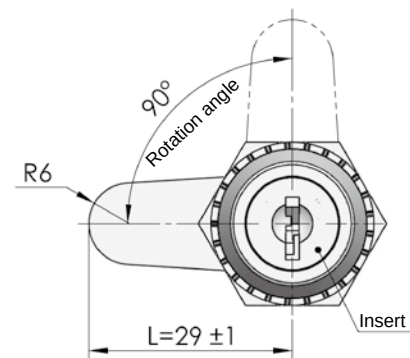
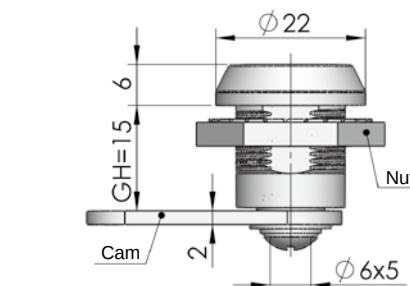
Remark : Default cam S1B3602, T=2 (Cut out 8x8)



HP001 Handle pull (Optional)



WP002 Water-proof cap (Optional)



ERP MS806Z3A220011

Remark : Default cam S1G2900



MS806

Main material and finish: Bright chrome-plated ZDC housing, insert, white zinc-plated steel cam

Application: Quarter-turn opening or closing

Remark: Default key K220

Default cam : S1G29Y00001

Performance parameter:
Maximum static load: 120N
Recommended nut tightening torque:20N.m



MS809

RL

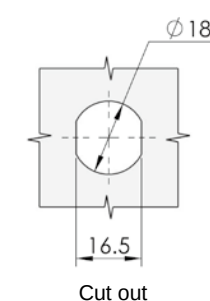
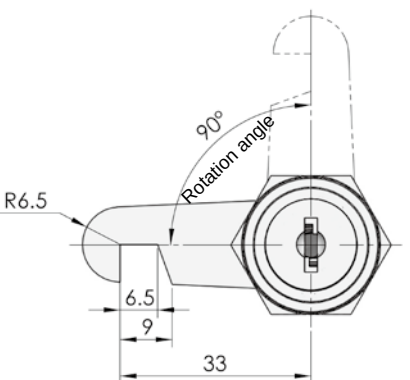
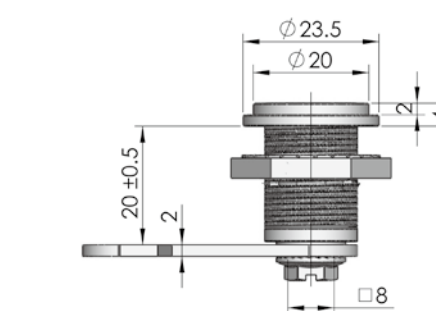
Main material and finish: Bright chrome-plated ZDC housing and insert, white zinc-plated steel cam

Application: Quarter-turn opening or closing

Remark: Default key K230

Default cam : S1B40Y00004

Performance parameter:
Maximum static load: 140N
Recommended nut tightening torque:20N.m



ERP MS809Z3A230006

Remark : Default cam S1B4000

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

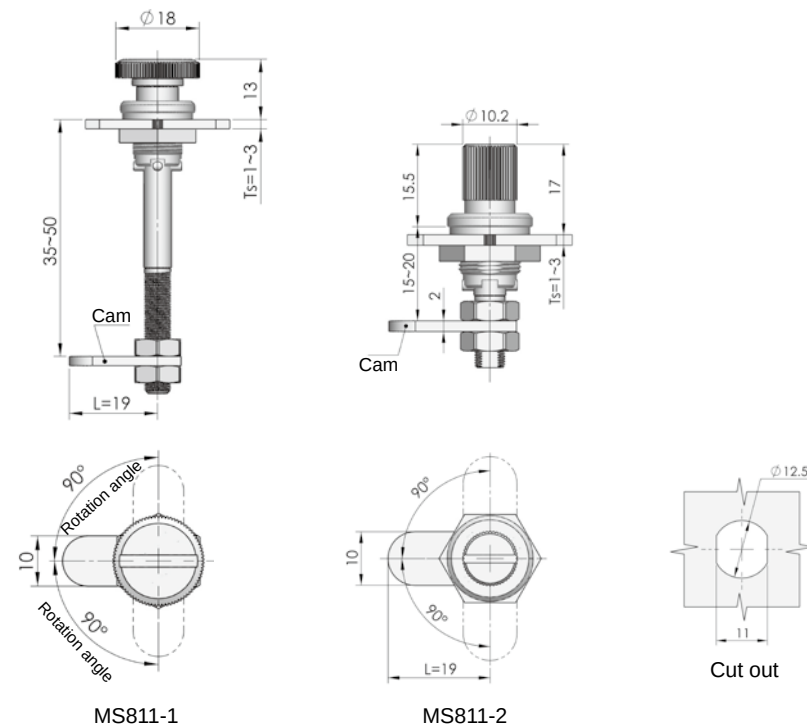


RL

Main material and finish : Bright chrome-plated steel housing and handle, white zinc-plated steel cam
Application : Quarter-turn opening or closing

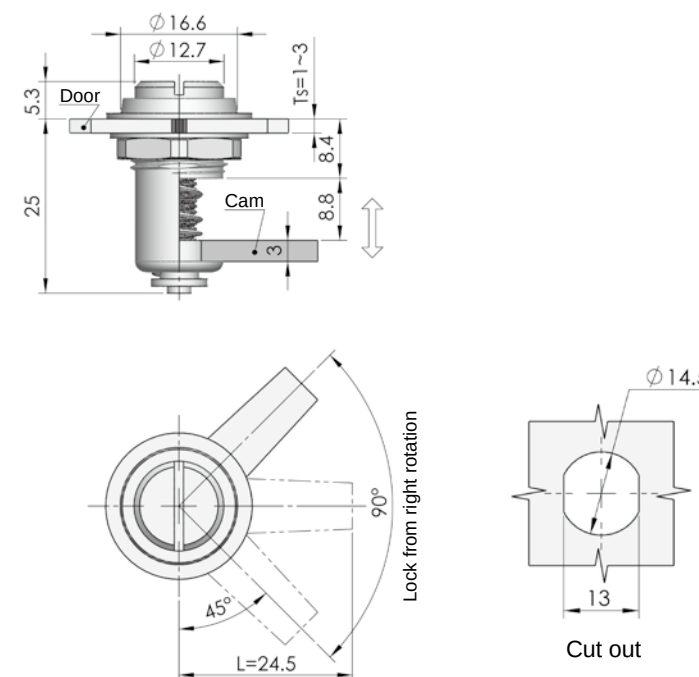
Default cam : S1W19Y00002

Performance parameter:
Maximum static load: 140N



	MS811-1	MS811-2
ERP	MS811F3A000001	MS811F3A000002

Remark : Default cam S1W1900 (cut out $\varnothing 6 \times 4.5$)



	MS811-4-Z (Left)	MS811-4-Y (Right)
ERP	MS811Z3D000008	MS811Z3D000001

Remark : Default cam S1S2500



RL

Main material and finish : White zinc-plated ZDC housing, white zinc-plated steel cam and shaft
Application : Quarter-turn opening or closing, with function of locking

Default cam : S1S25Y00002

Performance parameter:
Maximum static load: 210N
Recommended nut tightening torque: 20N.m
Maximum input torque: 11N.m

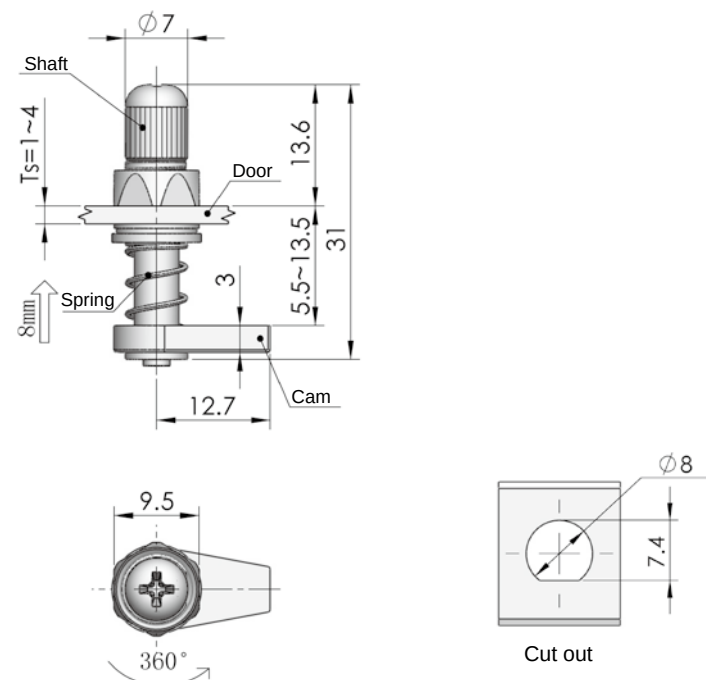


RL

Main material and finish : Trivalent zinc-plated steel housing, handle and cam
Application : Handle 360 degree rotation, with function of locking

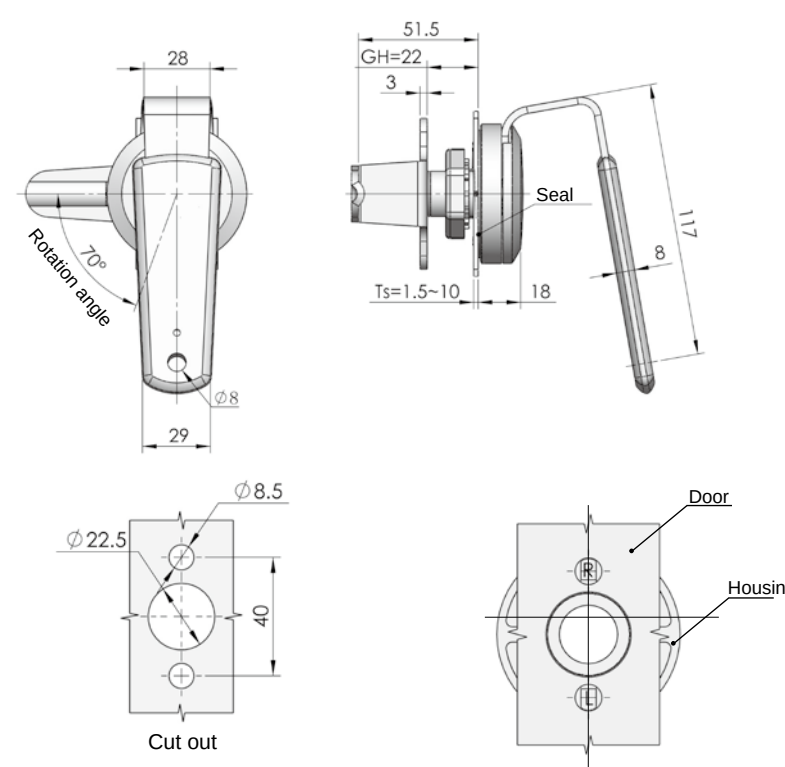
Default cam : S1S13Y00001

Performance parameter:
Maximum static load: 180N



	MS811-3-Z (Left)	MS811-3-Y (Right)
ERP	MS811F3D000001	MS811F3D000002

Remark : Default cam S1S1300



ERP	MS812Z3A000006
-----	----------------

Remark : Default cam S3C8600 (cut out 10x10)



RL IP54

Main material and finish : Bright chrome-plated ZDC housing and insert, white zinc-plated steel cam
Application : 70 degree rotation opening or closing
Remark : Key the same as MS812-2

Default cam : S3C86Y00002

Performance parameter:
Maximum static load: 110N
Recommended nut tightening torque: 20N.m
Maximum input torque: 11N.m

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS812-2



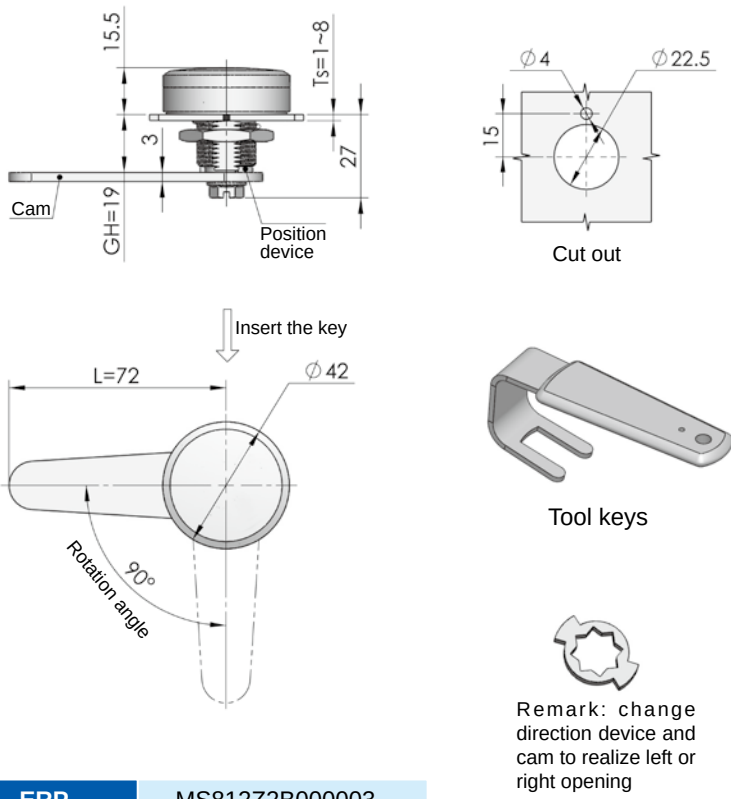
RL IP54

Main material and finish: Bright chrome plated ZDC housing and cap, white zinc plated steel cam.

Application: Quarter turn opening or closing

Default cam : S1B72Y00001

Performance parameter:
Maximum static load: 240N



ERP MS812Z2B000003
Remark : Default cam S1B7200 (cut out 8x8)

MS813-4



RL IP54

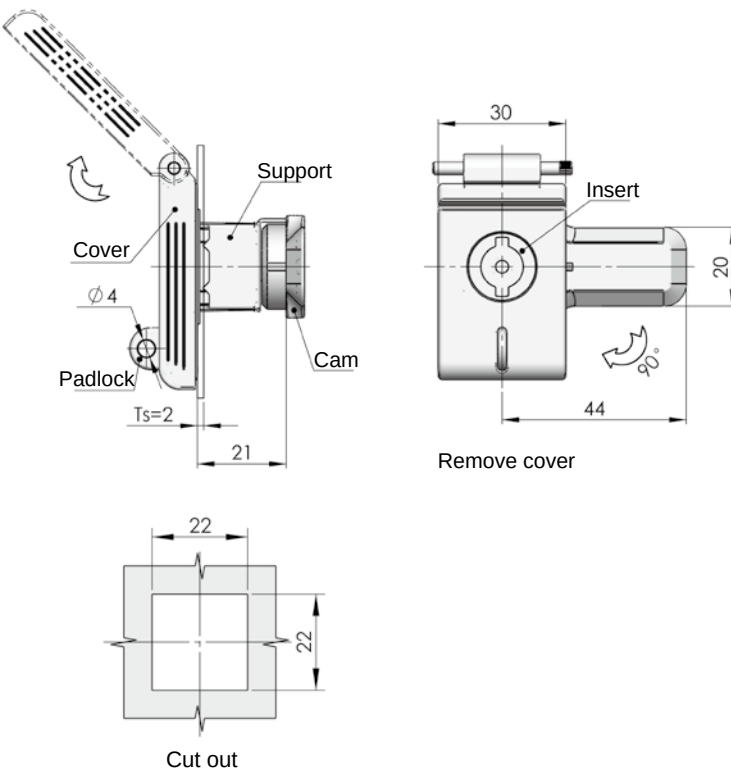
Main material and finish: Yellow gray powder coated ZDC housing, bright chrome plated insert, white zinc plated steel cam.

Application: Quarter turn opening or closing

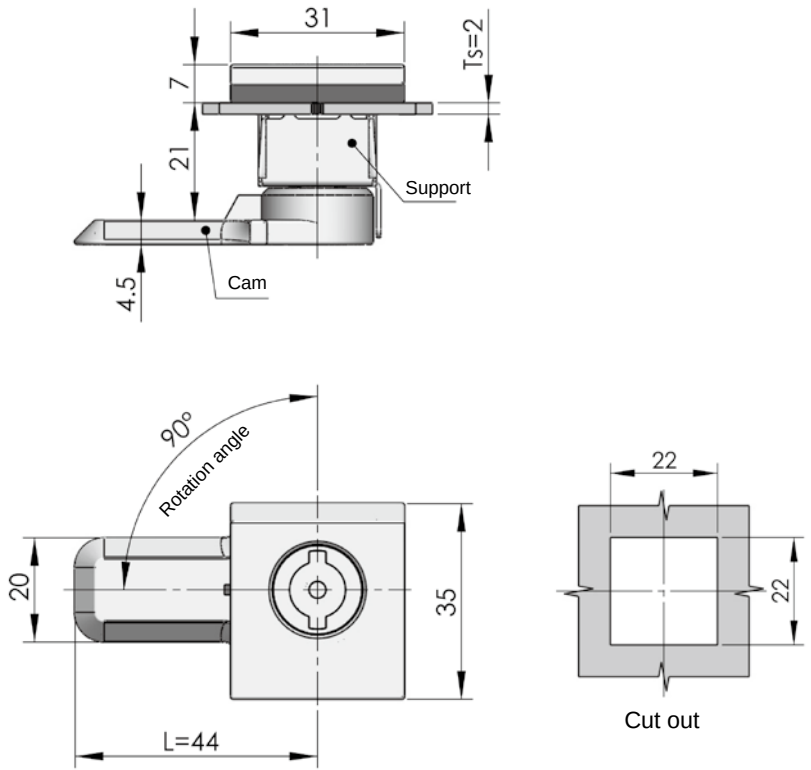
Remark: Optional key K15-1

Default cam : S1A44Y06001

Performance parameter:
Maximum static load: 580N



ERP MS813Z1ET01006
Remark : Default cam S1A4406



Specification	Model	ERP
ZDC	MS813	MS813Z1ET01003
Full S.S.	MS813-B	MS813S4AT01002

MS813



MS813-B



RL IP54

Main material and finish : Yellow-gray ZDC housing,bright chrome-plated ZDC insert, white zinc-plated ZDC cam

Application : Quarter-turn opening or closing

Remark : Optional key K15-1

Performance parameter:
Maximum static load: 580N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

MS813-5B

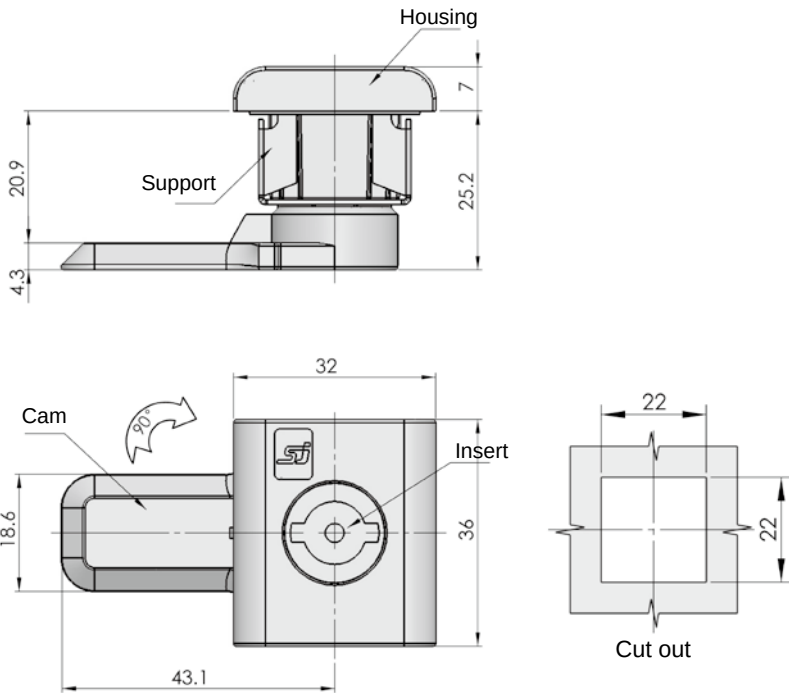


RL **IP54**

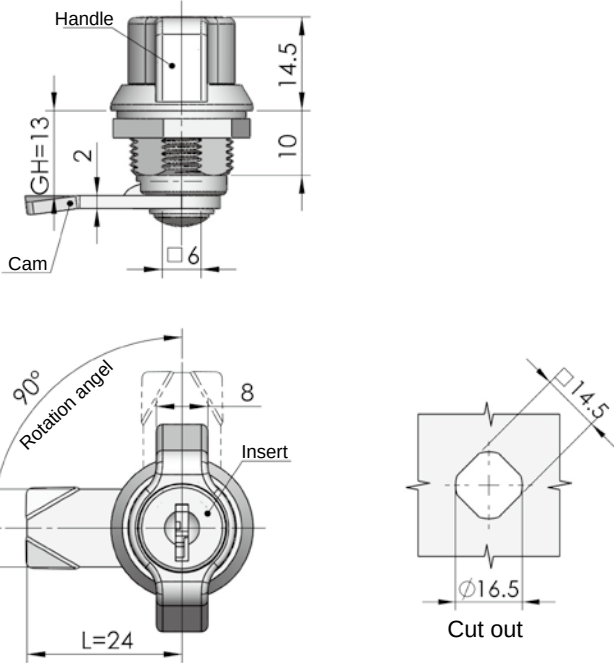
Main material and finish: Mirror polishing stainless steel housing, insert, ZDC cam, screw and steel support
Remark: Optional key K15 series

Default cam : S1A44Y06001

Performance parameter:
Maximum static load: 580N



ERP MS813S4AT01001
Remark : Default cam S1A4406



ERP MS815Z2A170002
Remark : Default cam S1V2400

MS815-2



IP54

Main material and finish: Black painted ZDC housing and handle, white zinc plated steel cam
Application: Quarter turn opening or closing
Remark: Default key K170

Default cam: S1V24Y00002

Performance parameter:
Maximum static load: 270N
Recommended nut tightening torque: 12N.m

MS815-1

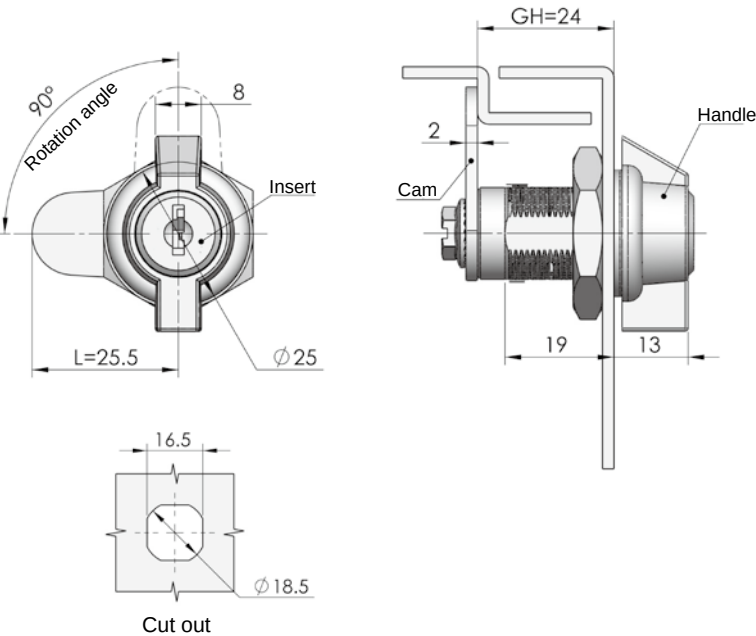


IP54

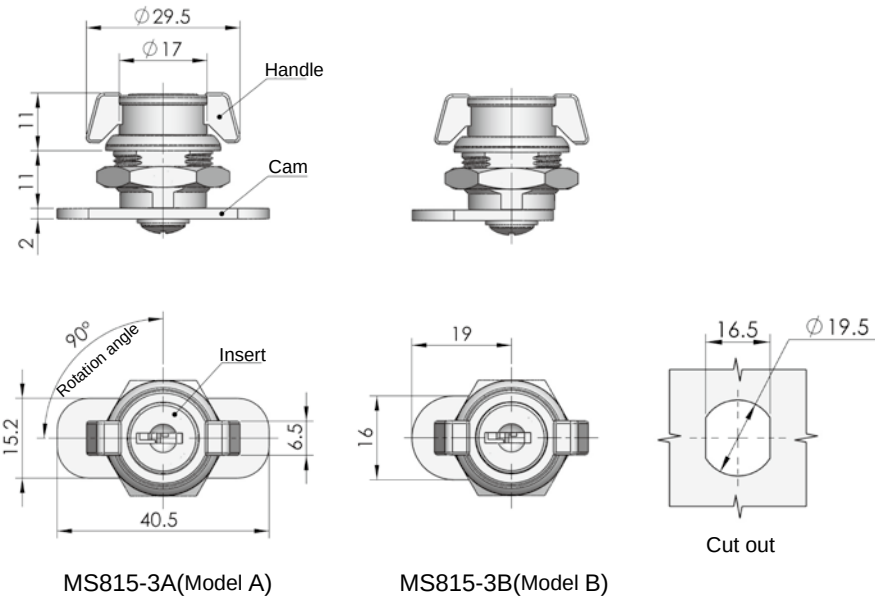
Main material and finish: Black painted ZDC housing and handle, white zinc plated steel cam
Application: Quarter turn opening or closing
Remark: Default key K240

Default cam : S1B26Y00001

Performance parameter:
Maximum static load: 100N
Recommended nut tightening torque: 12N.m



ERP MS815Z2A240001
Remark : Default cam S1B2600 (cut out 8x8)



Specification	Model	ERP	
		Painted (matt black) housing	Bright chrome-plated housing
Model A	MS815-3A	MS815Z1A170003	MS815Z3A170003
Model B	MS815-3B	MS815Z1A170004	MS815Z3A170004

Remark: Cam cut out $\varnothing 7 \times 5.5$

MS815-3



Main material and finish: ZDC housing, insert and steel cam
Application: Quarter-turn opening or closing
Remark: Default key K170

Default cam : S1W20Y00001 (Model A)
S1W19Y00001 (Model B)

Performance parameter:
Maximum static load: 250N
Recommended nut tightening torque: 20N.m

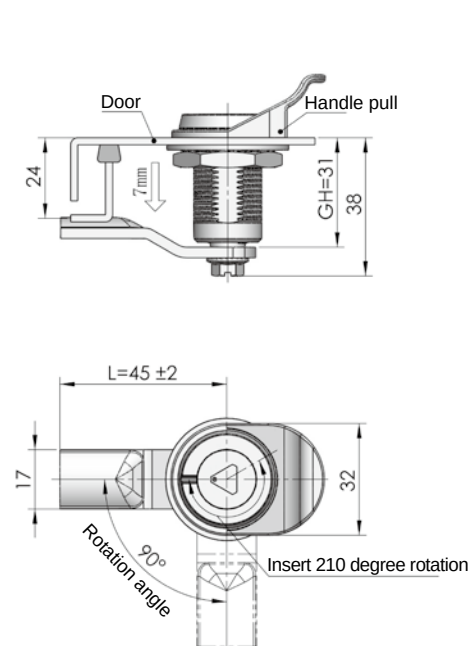
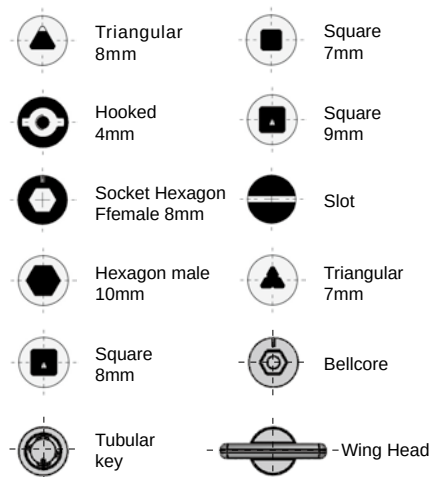
MS816-1



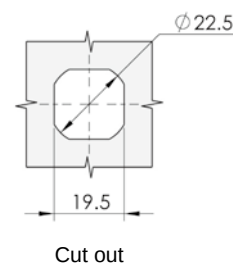
Main material and finish : Blue-gray powder coated ZDC housing and insert, white zinc-plated steel cam, PA handle pull
Application: Cam quarter-turn to open or close, with function of locking
Remark: Optional key K15 series

Default cam : S1B45N070016(Unadjustable)
 S1M33Y00002(Adjustable Ts=5)

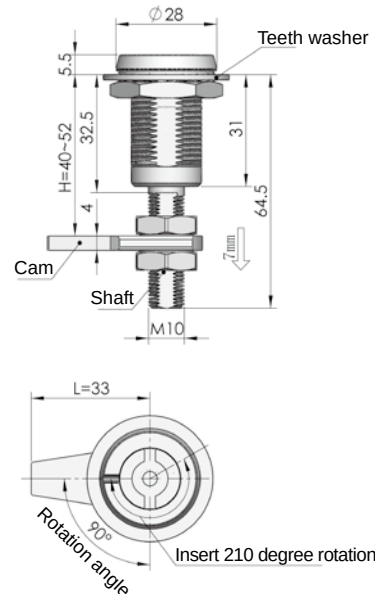
Performance parameter:
Maximum static load: 300N
Recommended nut tightening torque:20N.m
Maximum input torque: 11N.m



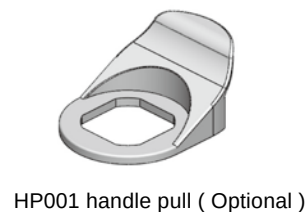
Unadjustable type



Cut out



Adjustable type



HP001 handle pull (Optional)



WP001 water-proof cap (Optional)

Remark : Inserts sketch refers to inserts list 2 on P058

Specification	Unadjustable type		Adjustable type	
	Model	ERP	Model	ERP
8mm Triangle	MS816-1-1	MS816Z1DT04009	MS816-1A-1	MS816Z1DT04015
S Hook	MS816-1-2	MS816Z1DT03007	MS816-1A-2	MS816Z1DT03010
8mm Socket hexagon	MS816-1-3	MS816Z1DT24004	MS816-1A-3	MS816Z1DT24005
10mm Hexagon	MS816-1-4	MS816Z1DT25001	MS816-1A-4	MS816Z2AT25001
8mm Square	MS816-1-5	MS816Z1DT07001	MS816-1A-5	MS816Z1DT07003
7mm Square	MS816-1-6	MS816Z1DT06001	MS816-1A-6	MS816Z1DT06003
9mm Square	MS816-1-8	MS816Z1DT26001	MS816-1A-8	MS816Z1DT26003
Slot	MS816-1-9	MS816Z1DT10001	MS816-1A-9	MS816Z1DT10003
7mm Triangle	MS816-1-10	MS816Z1DT14002	MS816-1A-10	MS816Z1DT14003
Abnormal	MS816-1-12	MS816Z1DT21001	MS816-1A-12	MS816Z1DT21004

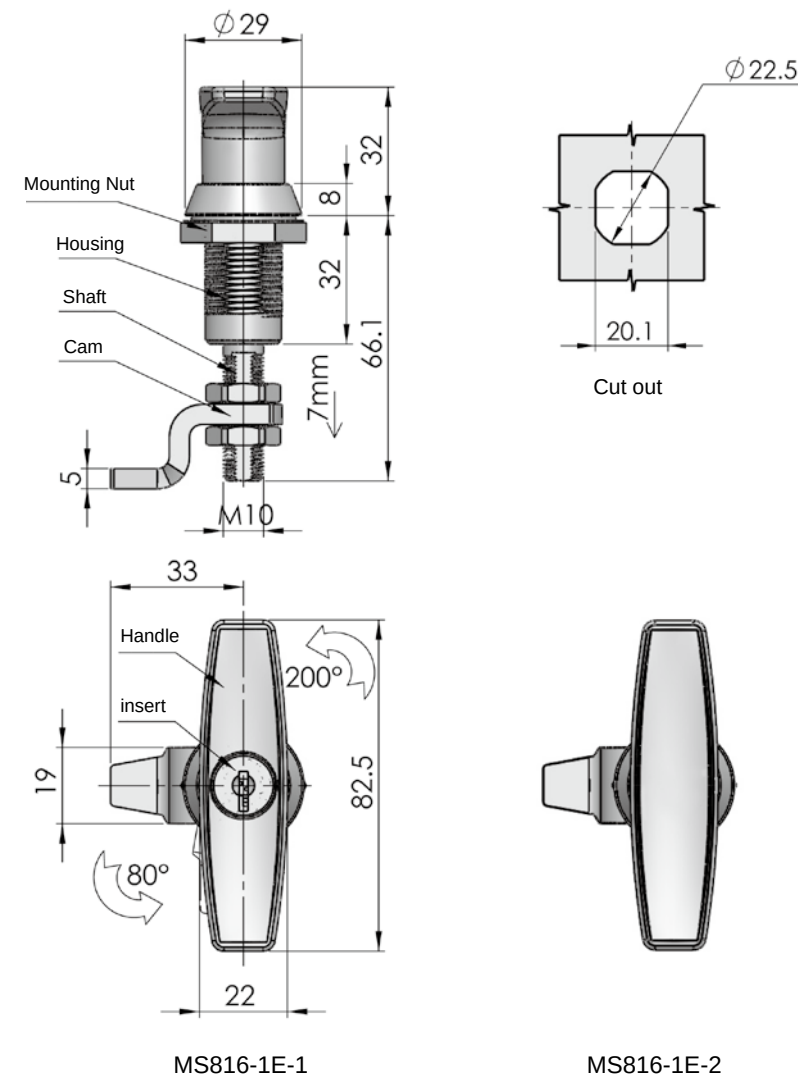
MS816-1E-1



IP65

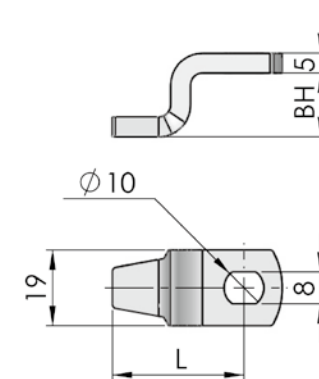
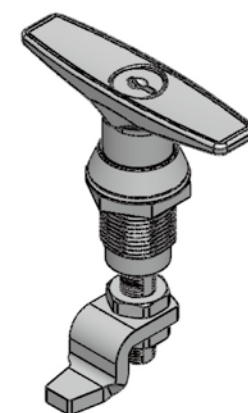
Main material and finish : Black pocked coated ZDC housing,handle,insert,zinc-plated steel cam;
Operation:200°turn to open or close.
 120° turn of wing knob causes shaft to pull of approximate 7mm, Then 80°turn causes cam to rotate to achieve lock opening.
 Locking status as picture shows
Remark:Optional key K16

Performance parameter:
Maximum static load: 300N
Recommended nut tightening torque:20N.m



MS816-1E-1

MS816-1E-2



K16Key

Model	Specification
MS816-1E-1	with insert
MS816-1E-2	without insert

MS816-2

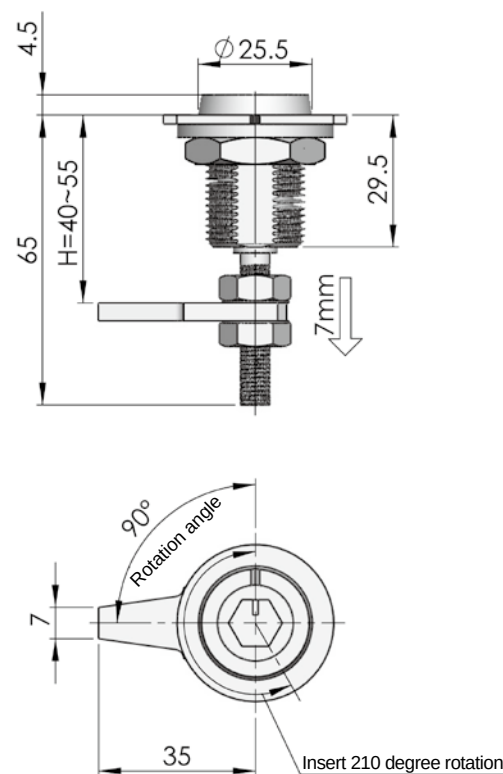


Main material and finish : Blue-gray powder coated ZDC housing and insert, white zinc-plated steel cam, PA handle pull
Application: Cam quarter-turn to open or close, with function of locking
Remark: Optional key K15 series

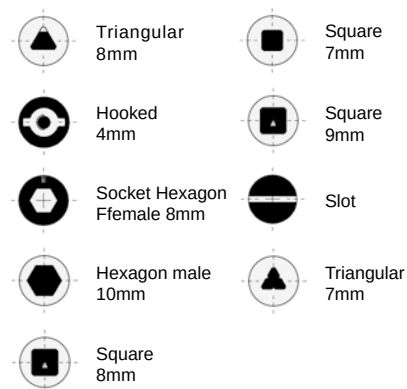
Default cam : S1K35Y00002 (Ts=4)

Performance parameter:

Maximum static load: 360N
Recommended nut tightening torque: 20N.m
Maximum input torque: 11N.m



WP001 water-proof cap (Optional)

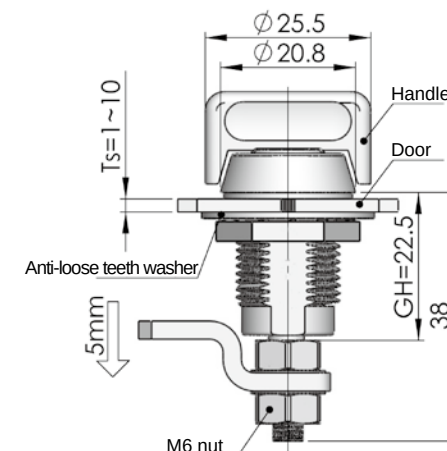


Remark : Inserts sketch refers to inserts list 2 on P058

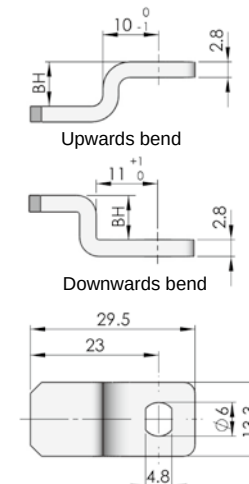
ERP	Model	Insert	Optional key
MS816Z1DT25004	MS816-2-1	10mm Hexagon	K15-9、K15-9F
MS816Z1DT04004	MS816-2-2	8mm Triangle	K15-3、K15-3F
MS816Z1DT07004	MS816-2-3	8mm Square	K15-4、K15-4F
MS816Z1DT06004	MS816-2-4	7mm Square	K15-6、K15-6F
MS816Z1DT26004	MS816-2-5	9mm Square	
MS816Z1DT14004	MS816-2-6	7mm Triangle	K15-3、K15-3F

Remark : Default cam S1K3500 (cut out Ø8x6.5)

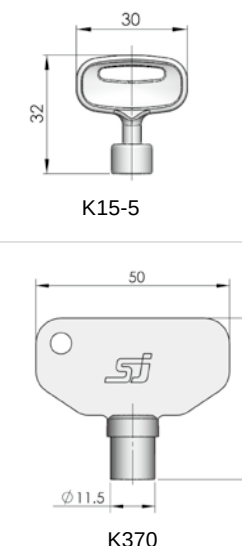
WP004(Optional)



Cam(Optional)



key(Optional)



Remark: Please refer to cam list on P009

Specification	Model	ERP	Optional key
Handle	MS816-3S-1	MS816Z2A000028	
6mm Square	MS816-3S-2	MS816Z2AT05001	K15-5A
Abnormal	MS816-3S-3	MS816Z1AT21002	K370
Slot	MS816-3S-4	MS816Z1AT18006	

Remark: Default cam S1G23N08 (Cutout Ø6x4.7)

MS816-3S-1



MS816-3S-2



Main material and finish: Black painted ZDC housing, insert and handle, white zinc-plated steel cam, PA water-proof cap
Application: Cam Quarter-turn to open or close, with function of locking

Default cam : S1G23N08005

Performance parameter:

Maximum static load: 360N
Recommended nut tightening torque: 20N.m
Maximum input torque: 8N.m

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

MS823-1



MS823-1A



Main material and finish: Bright chrome-plated ZDC housing and insert, white zinc plated steel cam

Application: Cam quarter-turn to open or lock , with function of locking

Remark : Optional key K15

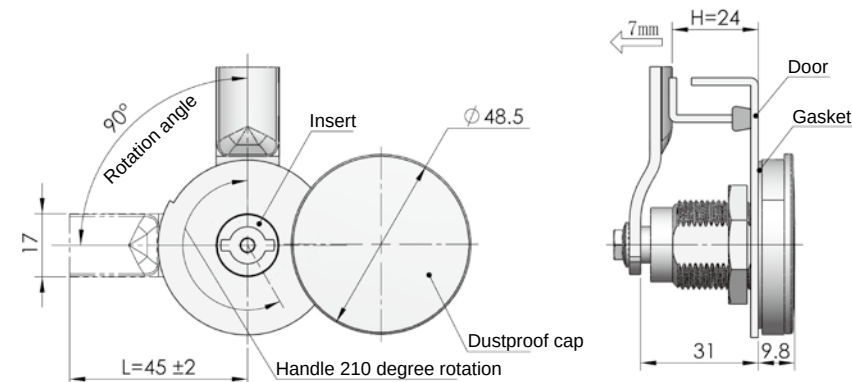
Default cam : S1B45N070016(Unadjustable)
S1M33Y00002(Adjustable Ts=5)

Performance parameter:

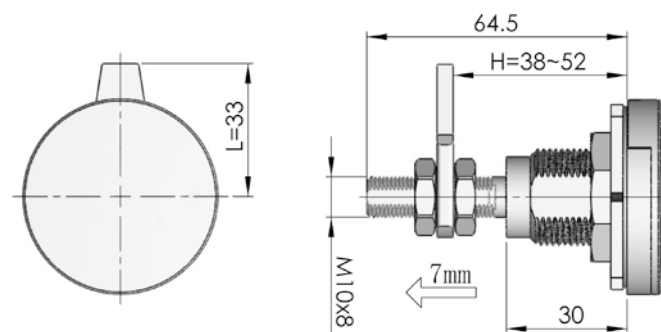
Maximum static load: 100N

Recommended nut tightening torque:20N.m

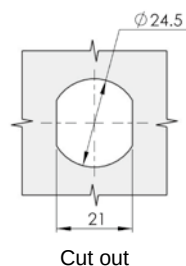
Maximum input torque: 12N.m



Unadjustable



Adjustable



Specification	Unadjustable		Adjustable		Optional key
	Model	ERP	Model	ERP	
8mm Triangle	MS823-1	MS823Z3AT04001	MS823-1A	MS823Z3AT04004	K15-3、K15-3F
S Hook	MS823-2	MS823Z3AT03007	MS823-2A	MS823Z3AT03014	K15-1
8mm Socket hexagon	MS823-3	MS823Z3AT24001	MS823-3A	MS823Z3AT24002	
10mm Hexagon	MS823-4	MS823Z3AT25001	MS823-4A	MS823Z3AT25002	K15-9、K15-9F
8mm Square	MS823-5	MS823Z3AT07001	MS823-5A	MS823Z3AT07002	K15-4、K15-4F
7mm Square	MS823-6	MS823Z3AT06001	MS823-6A	MS823Z3AT06002	K15-6、K15-6F
9mm Square	MS823-8	MS823Z3AT26001	MS823-8A	MS823Z3AT26002	
Slot	MS823-9	MS823Z3AT10001	MS823-9A	MS823Z3AT10002	
7mm Triangle	MS823-10	MS823Z3AT14001	MS823-10A	MS823Z3AT14002	K15-3、K15-3F
Abnormal	MS823-12	MS823Z3AT14001	MS823-12A	MS823Z3AT21002	K31

MS822



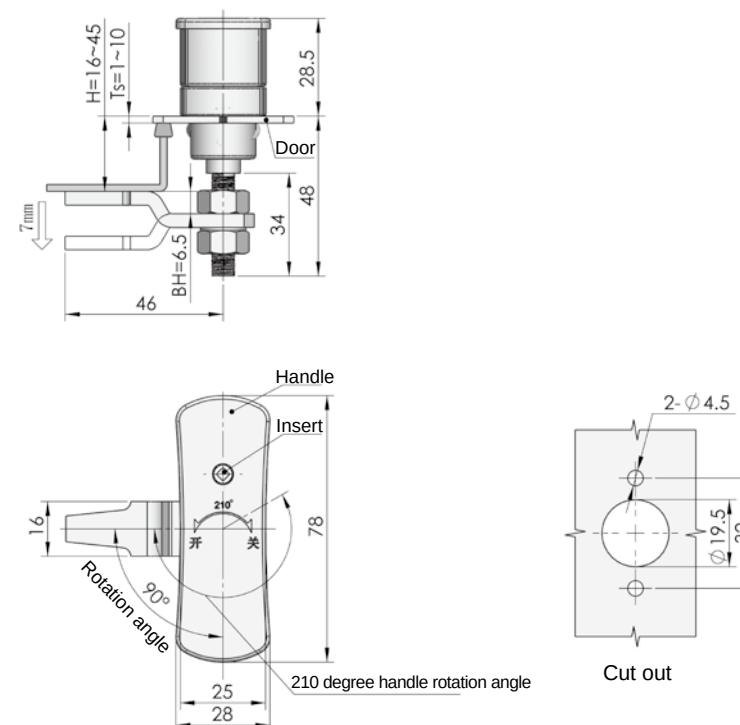
Main material and finish : Black powder coated ZDC housing and handle, white zinc-plated steel cam ,insert and shaft

Application : Quarter-turn opening or closing, adjustable, with function of locking

Default cam : S1K46Y07001

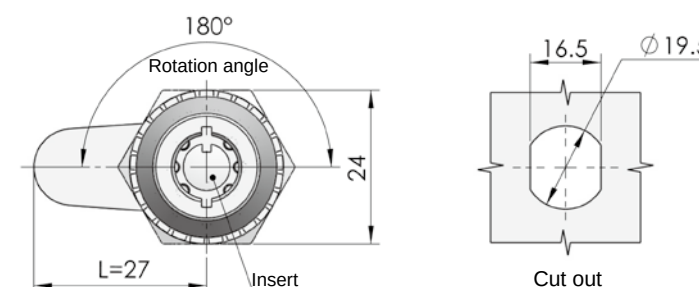
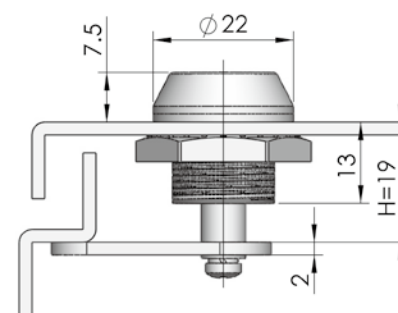
Performance parameter:

Maximum static load: 140N



ERP MS822Z1A000001

Remark : ERP excludes cam (cut out Ø8x6.5)



ERP MS824Z3A000001

Remark : Default cam S1V2700

MS824



Main material and finish: Bright chrome-plated ZDC housing, insert and white zinc-plated steel cam

Application: 180 degree rotation opening or closing

Default cam : S1V27Y00001

Performance parameter:

Maximum static load: 70N

Recommended nut tightening torque:20N.m

Maximum input torque: 5N.m

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket



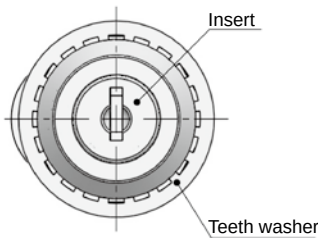
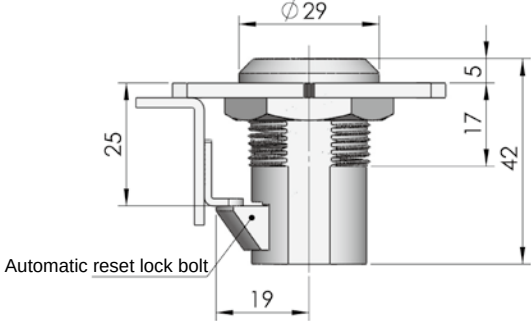
MS825

Main material and finish: Bright chrome-plated ZDC housing, insert and lock bolt, white zinc-plated ZDC lock bolt

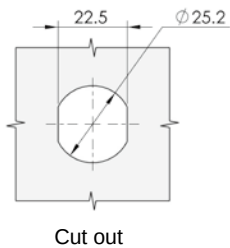
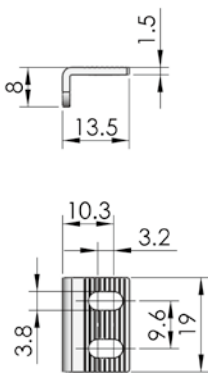
Application: Automatic reset locked

Remark: Default key K160

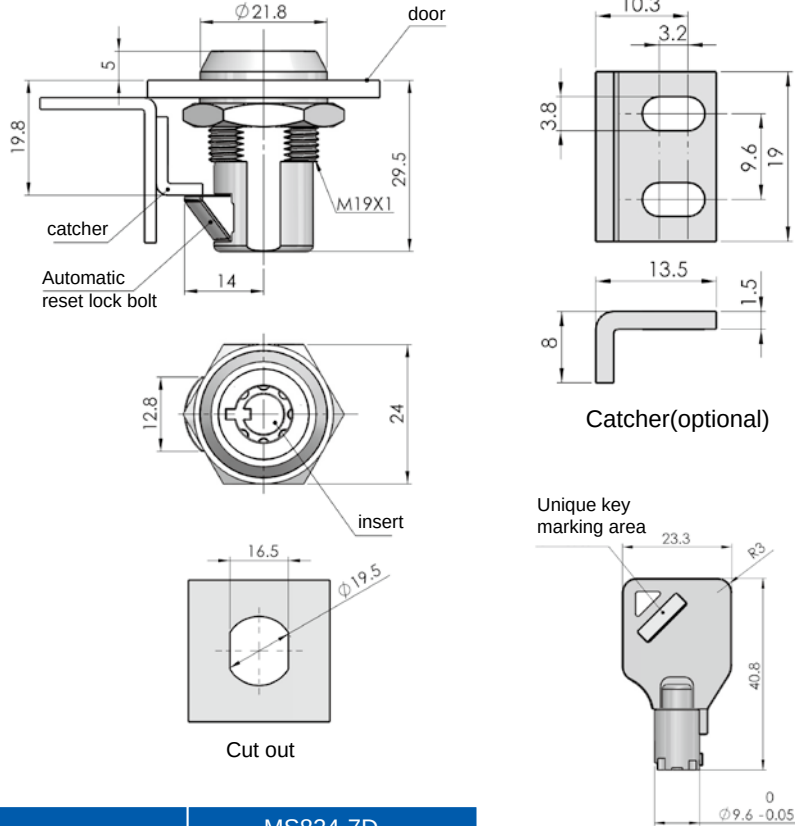
Performance parameter:
Maximum static load: 320N



Catcher (Optional)



ERP MS825Z3A160001



ERP MS824-7D
ERP MS826Z3A000008



MS826-7D

Main material and finish: bright chrome-plated housing and insert, white zinc plated insert and lock tongue

Application: Key alike and key different available, resilient automatically lock

Performance Parameter
Maximum static load: 340 N



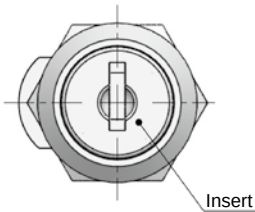
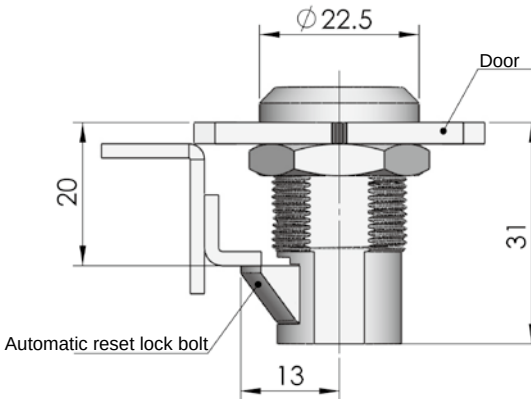
MS826

Main material and finish: Bright chrome-plated ZDC housing, insert and lock-tongue, white zinc-plated ZDC lock tongue

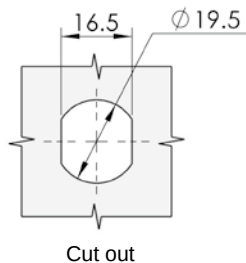
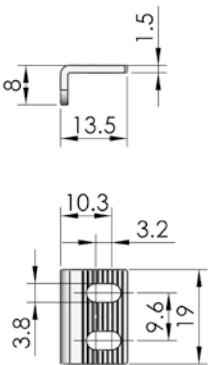
Application: Automatic reset locked

Remark: Default key K160

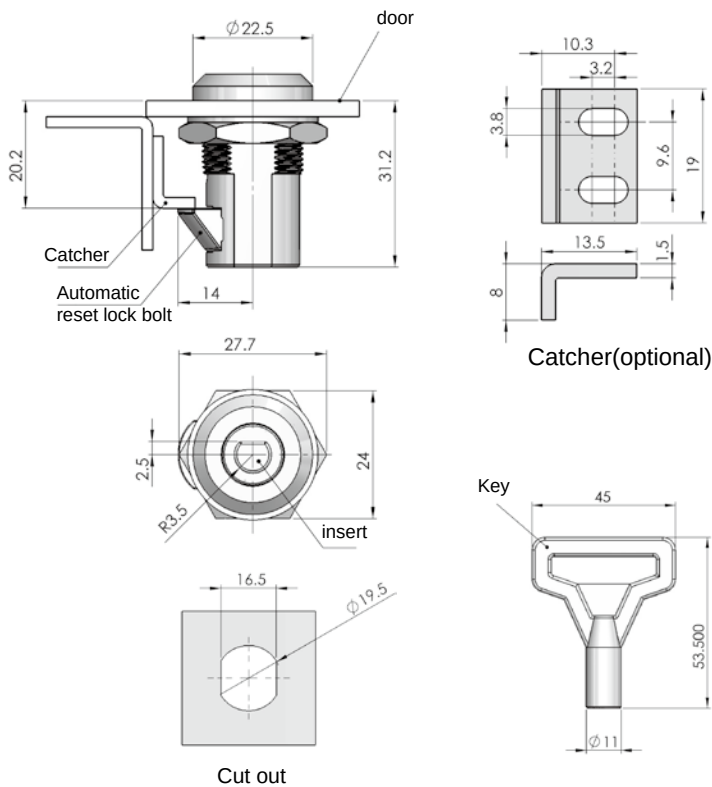
Performance parameter:
Maximum static load: 340N



Catcher (Optional)



ERP MS826Z3A160001



with key without key
ERP MS826Z3A000005 MS826Z3A000006



MS826-8D

Main material and finish: bright chrome+varnish brush ZDC housing and insert, white zinc-plated ZDC lock tongue, 120 hours salt spray test

Application: resilient automatically lock

Performance Parameter
Maximum static load: 340 N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket



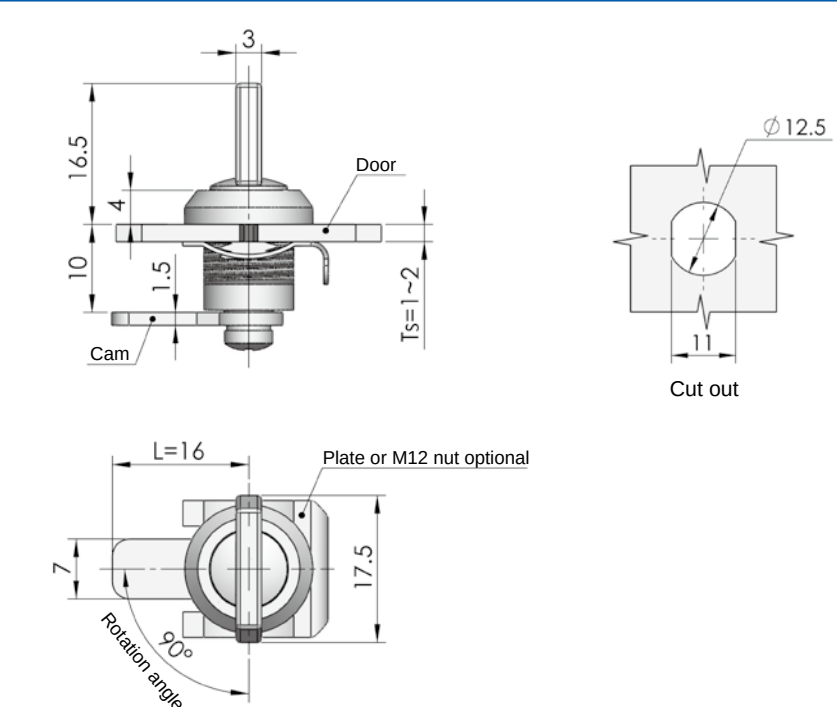
MS844

Main material and finish : Bright chrome-plated ZDC housing and handle, white zinc-plated steel cam

Application : Quarter-turn opening or closing

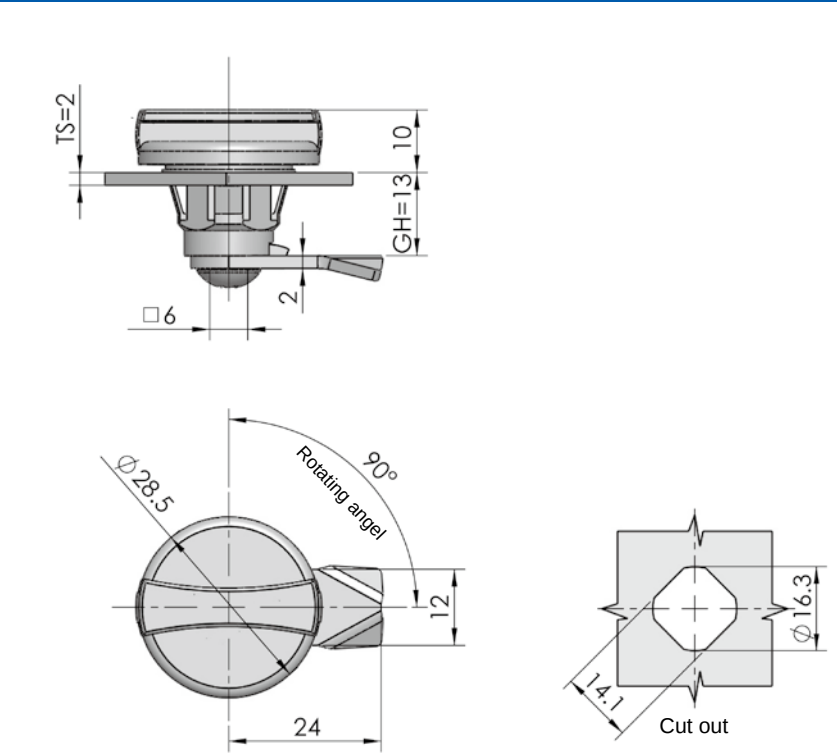
Default cam : S1W16Y00001

Performance parameter:
Maximum static load: 180N



Specification	Model	ERP
Plate	MS844-1	MS844Z3A000001
Nut	MS844-2	MS844Z3A000002

Remark : Default cam S1W1600 (Cutout 4.6x3.6)



ERP MS845N00000001

Remark: Default cam S1V2400



MS845-5

RL

Main material and finish: ZDC housing and black PA handle, white zinc plated steel cam.

Remark: Fast-installed housing, cam DS1V serial optional

Default cam :S1V24Y00001

Performance parameter:
Maximum static load: 220N



MS845-1 **MS845-3**

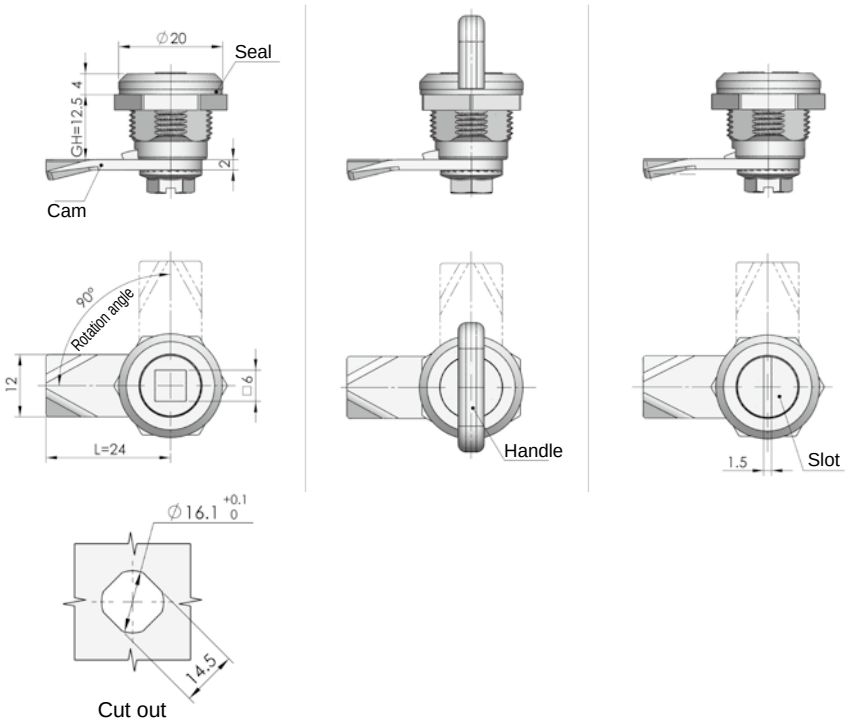
RL IP54

Main material and finish : Black powder coated ZDC housing and insert, white zinc-plated steel cam

Application : Quarter-turn opening or closing

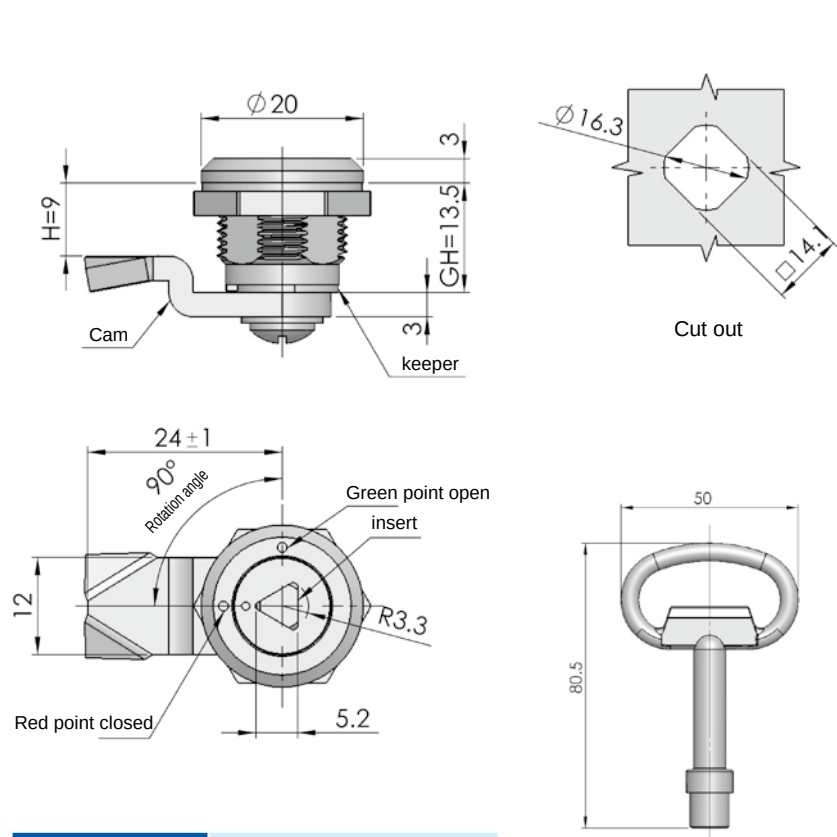
Default cam : S1V24Y00001

Performance parameter:
Maximum static load: 220N



Specification	Model	ERP
Square 6mm	MS845-1	MS845Z3AT05001
Slot	MS845-2	MS845Z1AT10007
Handle	MS845-3	MS845Z1A000013

Remark : Default cam S1V2400 (cut out 6x6)



ERP MS845S00T30001



MS845-7B

Main material and finish: stainless steel housing, insert, keeper and cam

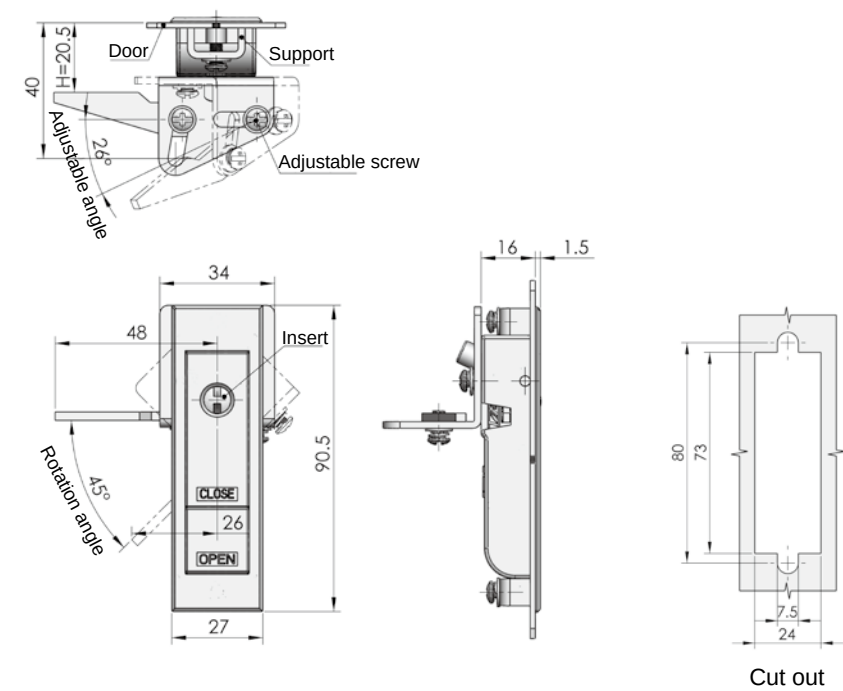
Application: 90 degree rotation, positioned by keeper

Performance Parameter
Maximum static load: 270 N

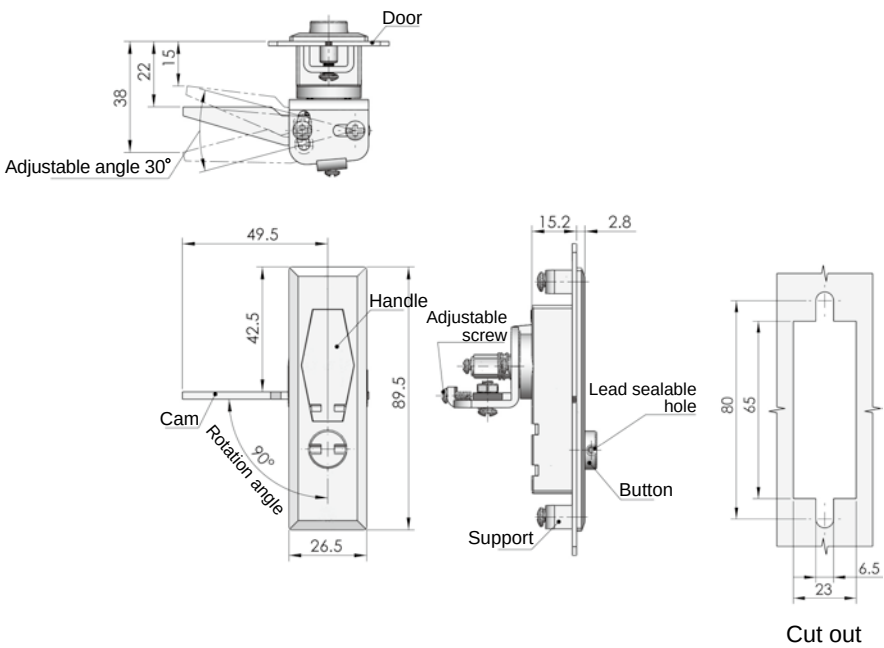
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

PLANE LOCK SERIES

					
MS703	MS707	MS708	MS710	MS712	MS717-1
					
MS718	MS718-3	MS719	MS720	MS723	MS726-1
					
MS726-1A	MS726-2	MS727	MS730	MS732	MS736
					
MS737	MS738	MS818	MS834-5	MS839	MS839-5
					
MS843	MS860-1	MS861	MS861-2	MS861-2A	MS861-3
					
MS861-4	MS864-3	MS864-3A	MS864-4	MS874	MS892-1A



Specification	Model	ERP
Cam opening from left rotation	MS703-Z	MS703Z3A000001
Cam opening from right rotation	MS703-Y	MS703Z3A000003



Specification	Model	ERP	
		Opening from left rotation	Opening from right rotation
With insert	MS707	MS707Z3I000001	MS707Z3I000002
With lead sealable button	JMS707	MS707Z3I000003	MS707Z3I000004

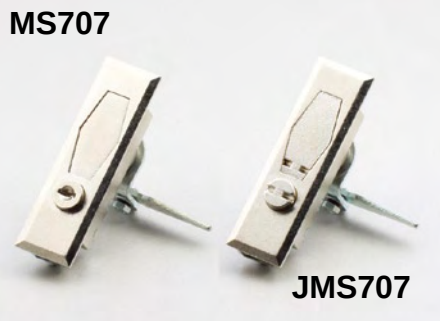
MS703



Main material and finish: Bright chrome-plated ZDC lock body and white zinc-plated steel cam
Application: Quick-open, easy assembling, by adjusting the cam screw to change the H and L of cam

Performance parameter:
Handle load tension capability: ≤350N
Maximum static load: 350N

MS707



Main material and finish: Blast-spraying and nickle plated ZDC housing, handle, button and insert, white zinc-plated steel cam
Application: Quick-open, easy assembling, by adjusting the cam screw to change the H and L of cam

Performance parameter:
Handle load tension capability: ≤900N
Maximum static load: 350N

MS708



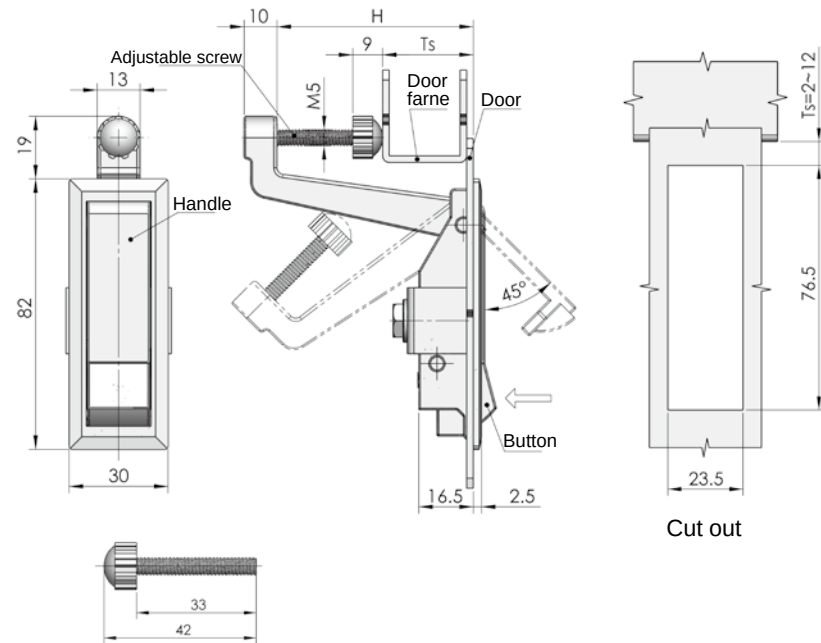
Main material and finish: Sand-blast ZDC housing, handle and button, zinc-plated steel screw

Application: Quick-open design, easy installation. Adjusting screw on cam meets the need of distance control

Performance parameter:

Handle load tension capability: ≤285N

Maximum static load: 200N



Remark: Default adjustable screw, others on request

Specification	Model	ERP
H=46.5	MS708-1	MS708Z3H000002
H=59.5	MS708-2	MS708Z3H000004
H=24	MS708-3	MS708Z3H000006

MS710



Main material and finish: Nanometer painted ZDC housing and handle, ZDC insert, white zinc-plated steel support and cam

Application: Quick-open, easy assembling. One-point locking or three-point locking function will be achieved with different cam mounted on

Remark: Default key k010

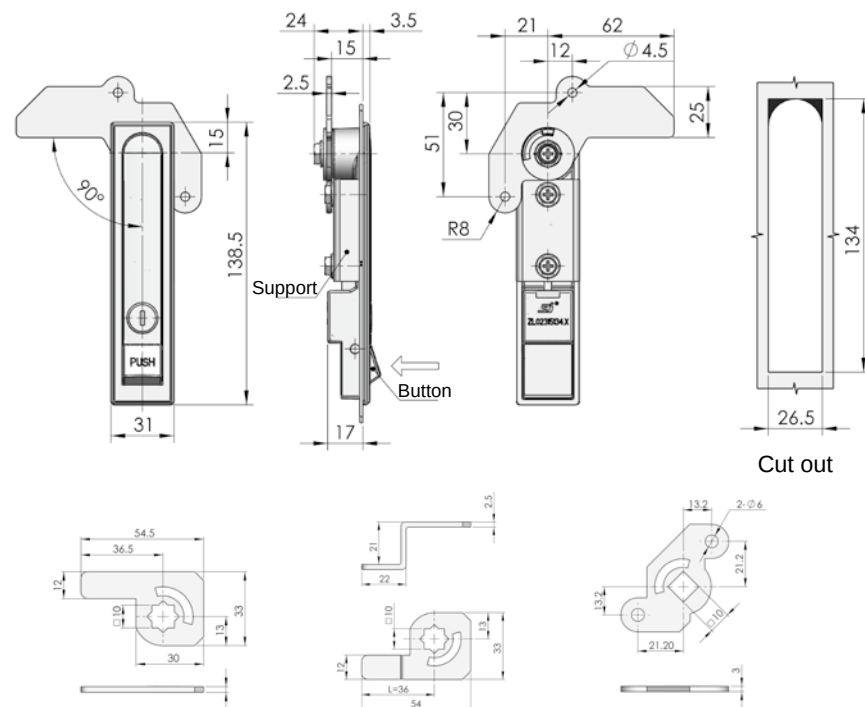
Default cam: S3C62Y00004

Performance parameter:

Handle load tension capability: ≤ 220N

Handle load torque capability: ≤ 11 N.m

Maximum static load: 380 N



Optional cam S1C3700D

Optional cam S1C3621D

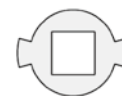
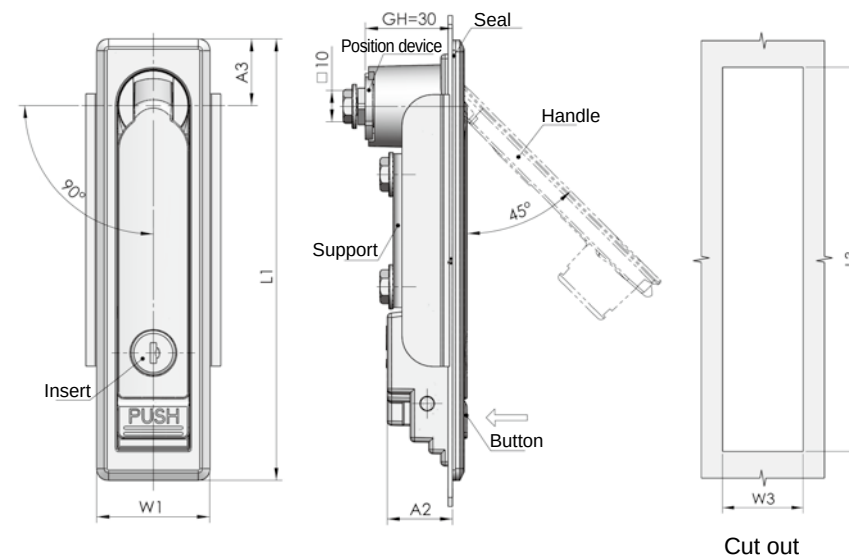
Optional cam S2C2100

Remark : Optional cam refer to drawings separately

ERP	MS710Z2B010002
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Remark: The default cam is S3C6200

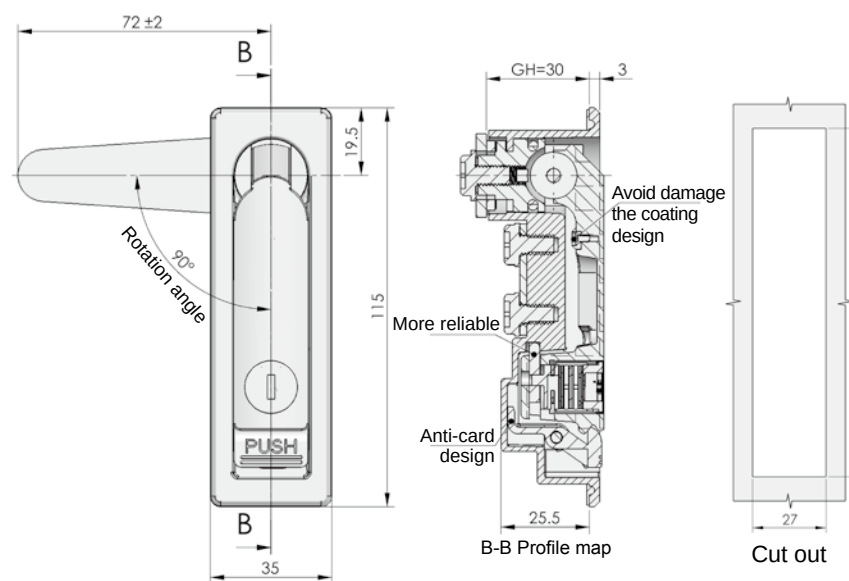
MS712



Remark: Change the fitting position or angle of position device and cam to realize LH or RH application

Model	ERP	L1	L3	W1	W3	GH	A2	A3	Cam	Default key
MS712	MS712Z2B040001	149	139.5	38	29.5	30	22	22.5	S1C7200	K040
MS712-2A	MS712Z2B110001	132	124	33.5	27.5	30	22	17	S1C7200	K110
MS712-3A	MS712Z2B110002	92	84	33.5	27.5	30	22	17	S1C7200	K110
MS713	MS713Z2B090001	110	102	33.5	27	30	22	17	S1C6200	K090

MS713-Q



ERP

MS713Z2B0900010

Remark : The default cam is S1C7200

MS712 MS713



MS713-Q



Main material and finish: Nanometer painted ZDC housing and handle, ZDC insert, white zinc plated steel support and cam

Application: Quick-open,easy assembling. One-point locking or three-point locking function will be achieved with different cam mounted on

Remark: The default key of MS713-Q is K040

Default cam: S1C72Y00002

Performance parameter:

MS712

Handle load tension capability: ≤ 690N

Handle load torque capability: ≤ 42 N.m

MS713

Handle load tension capability: ≤ 510N

Handle load torque capability: ≤ 40 N.m

Maximum static load: 265 N

MS717-1



RL

Main material and finish: Black painted ZDC housing and handle, white zinc plated steel support and cam
Application: Quick-open, easy assembling, H variable

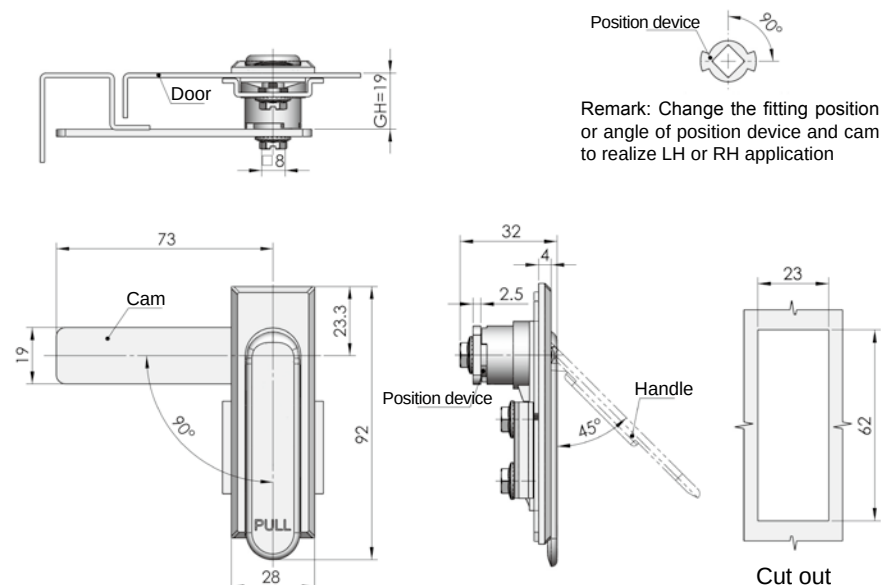
Default cam: S1B73Y00001

Performance parameter:

Handle load tension capability: ≤140N

Handle load torque capability: ≤ 17 N.m

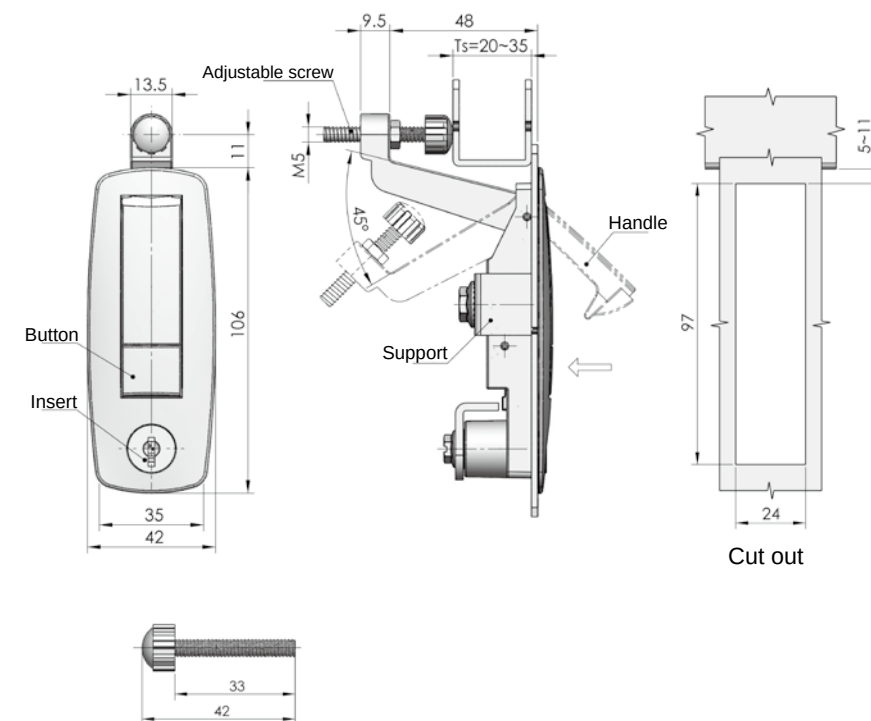
Maximum static load: 150 N



ERP

MS717Z2A000002

Remark: Default cam is S1B7300 (rhombic hole)



Remark: Default adjusting screw, others on request

ERP

MS718Z1A180001

MS718



Main material and finish: Black powder coated ZDC housing, handle and button, ZDC insert, white zinc plated steel screw
Application: Quick-open, easy assembling, by adjusting screw meets the need of distance control

Remark: Default key K180

Performance parameter:

Handle load tension capability: ≤750N

Maximum static load: 200N

MS717-2



RL

Main material and finish: Silk black powder ZDC housing and handle, white zinc plated steel support and cam
Application: Quick-open, easy assembling, H variable

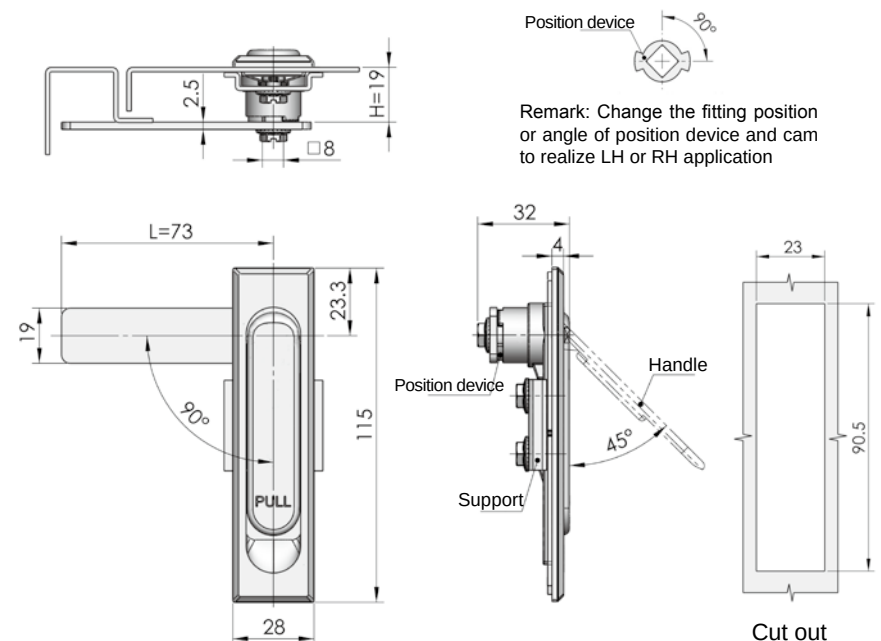
Default cam: S1B73Y00001

Performance parameter:

Handle load tension capability: ≤125N

Handle load torque capability: ≤ 17 N.m

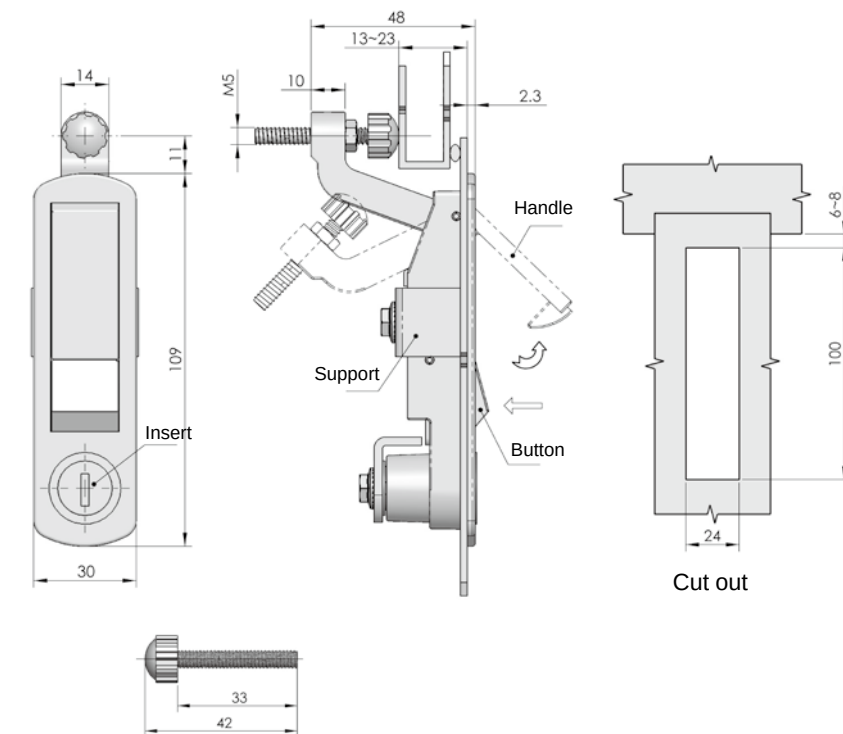
Maximum static load: 150 N



ERP

MS717Z2A000009

Remark: Default cam is S1B7300 (rhombic hole)



Remark: Default adjusting screw, others on request

ERP

MS718Z1A160016

MS718-2



Main material and finish: silk black powder coated ZDC housing, handle, insert and button, white zinc-plated screw
Application: Quick-open, easy assembling, by adjusting screw to meet the need of distance control

Remark: default key K160

Performance parameter:

Handle load tension capability: ≤540N

Maximum static load: 200N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS718-3



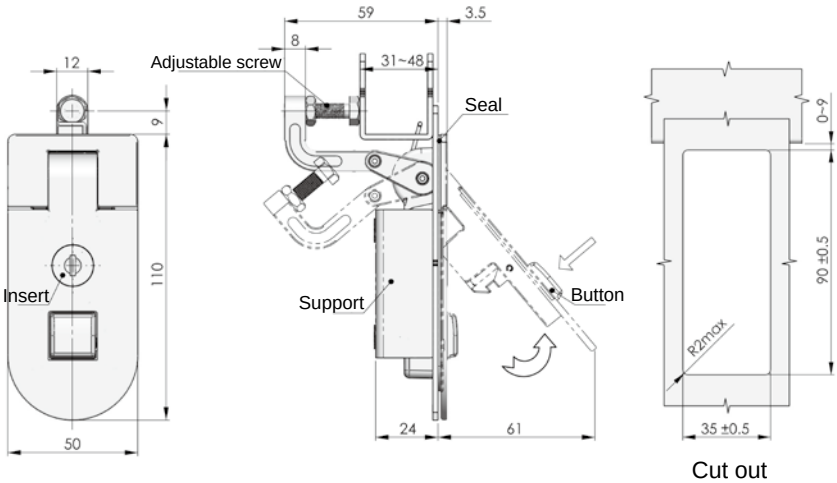
Main material and finish: Black powder coated ZDC housing, handle, insert and button, white zinc plated steel screw

Application: Quick-open, easy assembling, by adjusting screw meets the need of distance control

Remark: Default key K160

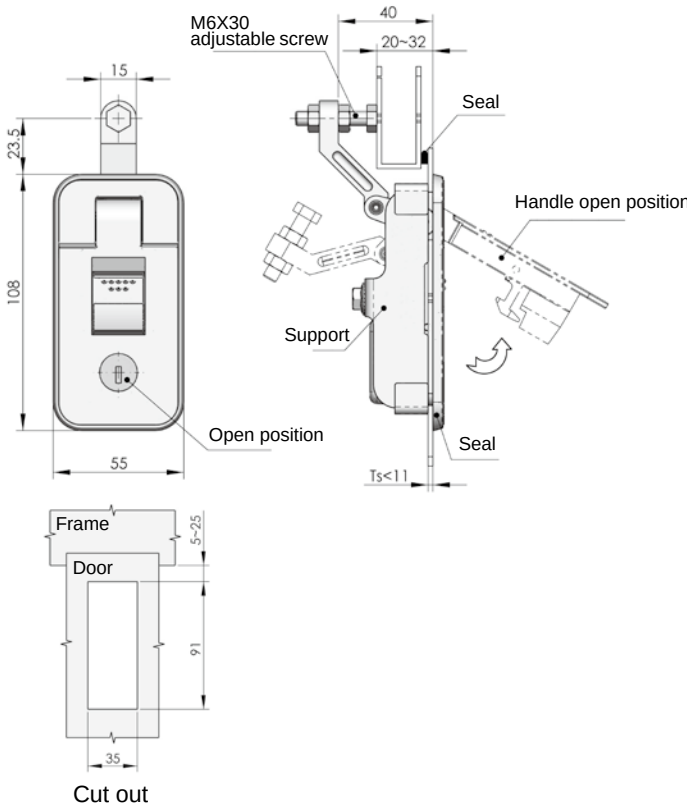
Performance parameter:

Handle load tension capability: ≤1500N
Maximum static load: 290 N



ERP

MS718Z1A160001



ERP

MS718Z3A650002

MS718-3C



IP65

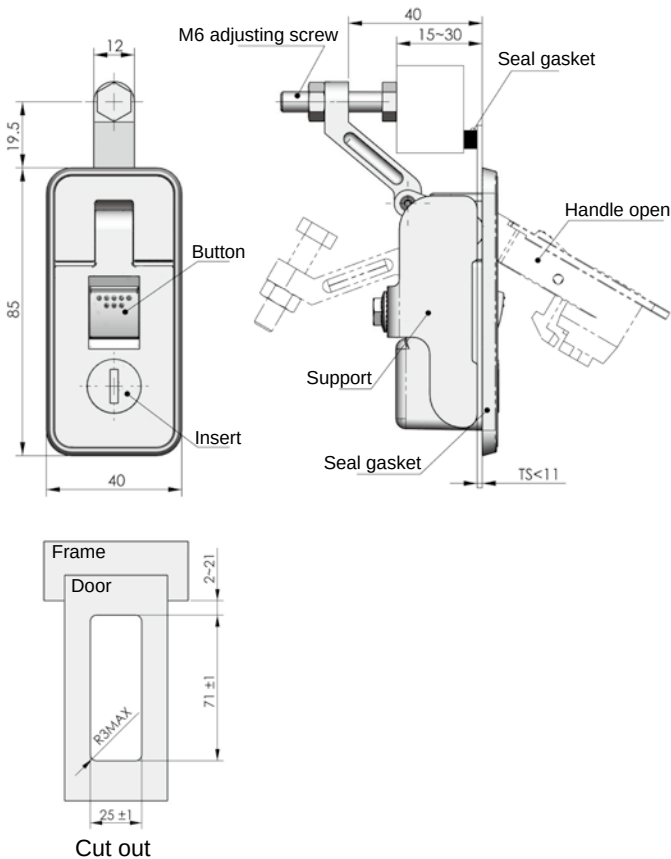
Main material and finish: Bright chrome-plated ZDC housing, handle and button, white zinc-plated support, connection, screw

Application: Quick open, easy assembling, adjust nut to fit different H

Remark: Default K650 key

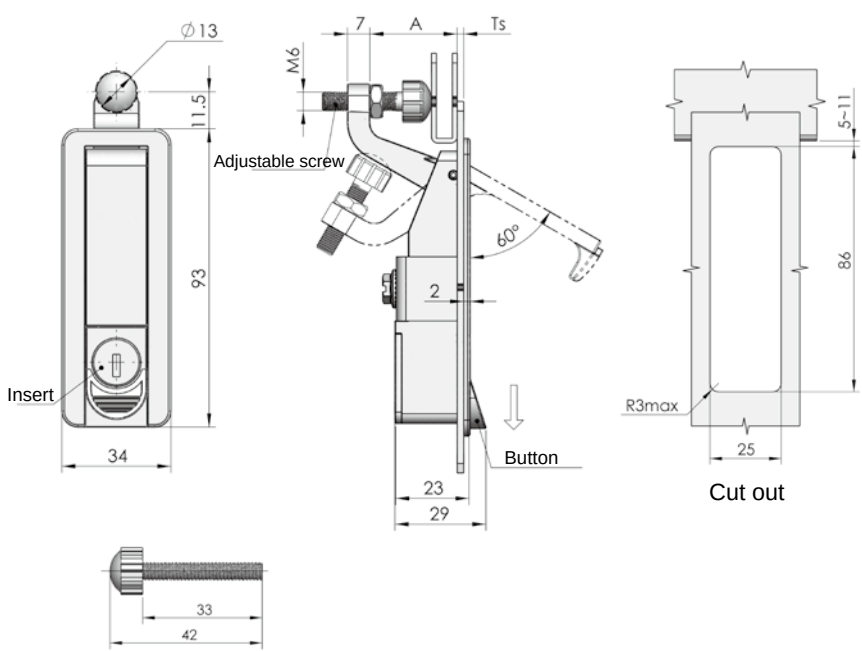
Performance parameter:

Handle load tension capability: ≤1300N
Maximum static load: 290N



ERP

MS718Z3A650001



Remark: Default adjusting screw, others on request

Specification	A=29		A=50	
	Model	ERP	Model	ERP
With insert	MS719-1	MS719Z1A020001	MS719-2	MS719Z1A020002
Without insert	MS719-1A	MS719Z1A000001	MS719-2A	MS719Z1A000002

MS718-4C



IP65

Main material and finish: Bright chrome-plated ZDC housing, handle and button, white zinc-plated foot, connector, support and screw.

Application: Quick-open, easy assembling, by adjusting screw meets the need of distance control

Remark: Default key K650

Performance parameter:

Handle load tension capability: ≤790N
Maximum static load: 290N

MS719



Main material and finish: Black powder coated ZDC housing, handle, insert and button, white zinc plated steel screw

Application: Quick-open, easy assembling, by adjusting screw meets the need of distance control

Remark: Default key K020

Performance parameter:

Handle load tension capability: ≤345N
Maximum static load: 200N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS719-1C

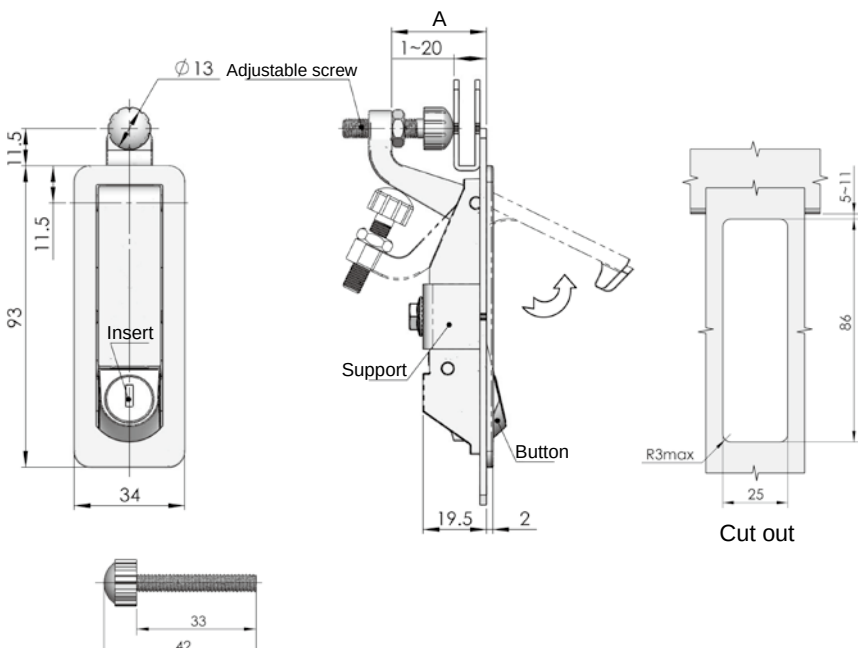


Main material and finish: Black painted ZDC housing, handle, insert and button, white zinc plated steel screw

Application: Quick-open, easy assembling, by adjusting screw meets the need of distance control

Remark: Default key K020

Performance parameter:
Handle load tension capability: ≤1200N
Maximum static load: 200N



Remark: Default adjusting screw, others on request

Specification	A=29		A=50	
	Model	ERP	Model	ERP
With insert	MS719-1C	MS748Z3A160009	MS719-2C	MS719Z1A020008
Without insert	MS719-1CA	MS748Z3A160002	MS719-2CA	MS719Z1A000005

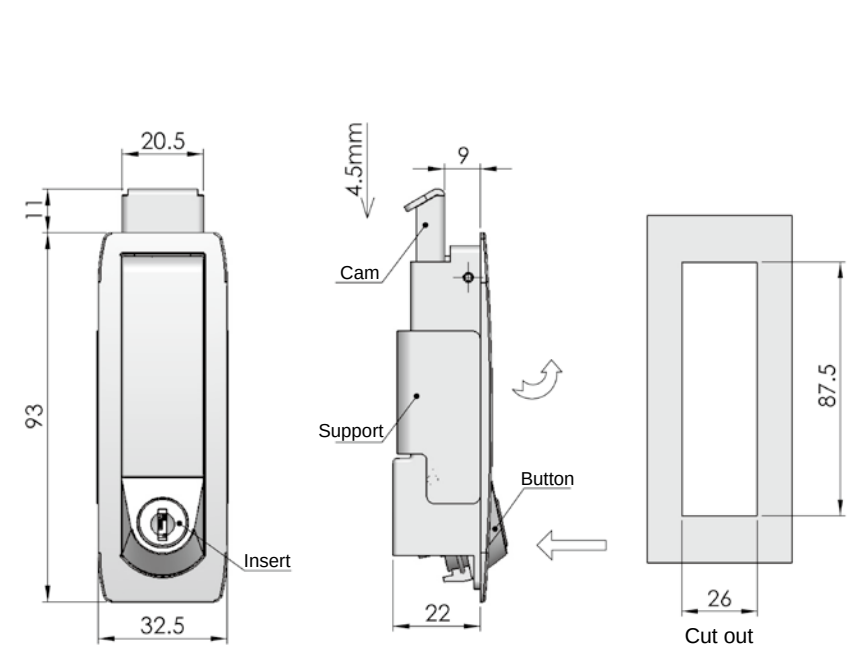
MS719-1U



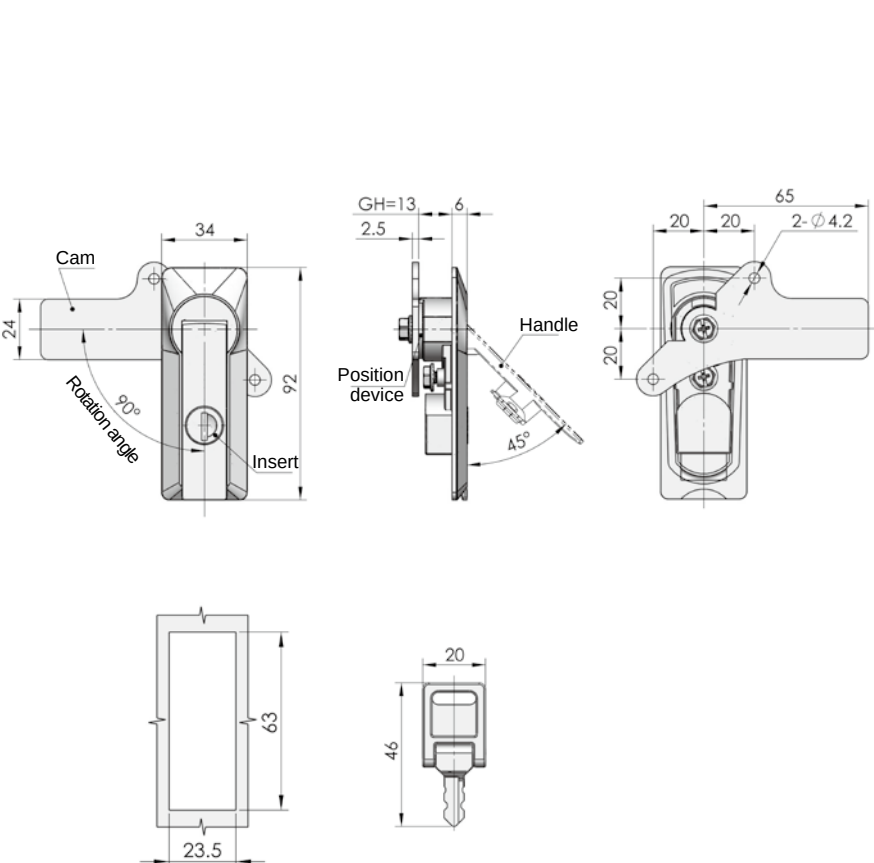
Main material and finish: Sand-blast black painted housing, handle, button, insert, white zinc-painted cam and support

Application: press button, and the handle bounce automatically, put up the handle to open

Performance parameter:
Handle load tension capability: ≤200N
Maximum static load: 200N



ERP MS719Z2A400001



Default cam S3B6500

Remark: Change the fitting position of position device and cam to adjust the height. Change the fitting direction to suit RH or LH application

ERP MS723Z2B080001

Remark: Default cam is S3B6500

MS723



RL

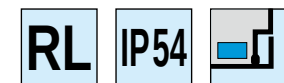
Main material and finish: Nanometer painted ZDC housing and handle, white zinc-plated steel cam

Application: Open the handle upward, quarter-turn opening

Remark: Default key K083

Default cam: S3B65Y00002

Performance parameter:
Handle load tension capability: ≤130N
Handle load torque capability: ≤18N.m
Maximum static load: 200N

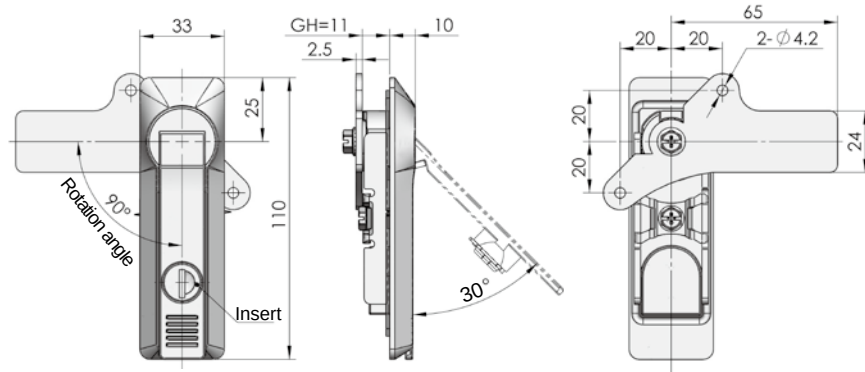


Main material and finish: Nanometer painted ZDC housing and handle
Application: Quarter-turn opening or closing, adjust cam direction to realize RH or LH application
Remark: Default key K082

Default cam: S3B65Y00002

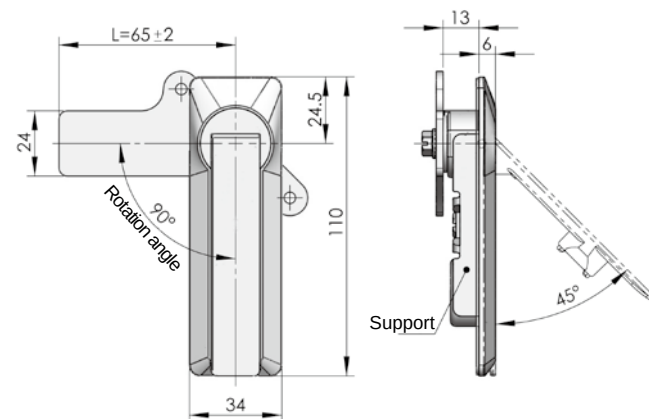
Performance parameter:
Handle load tension capability: ≤98N
Handle load torque capability: ≤14N.m
Maximum static load: 200N

MS723-2

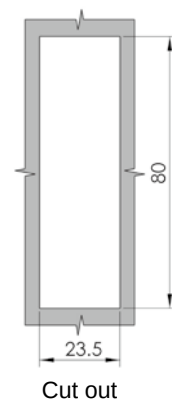


ERP MS723Z2B082002
Remark: Default cam is S3B6500

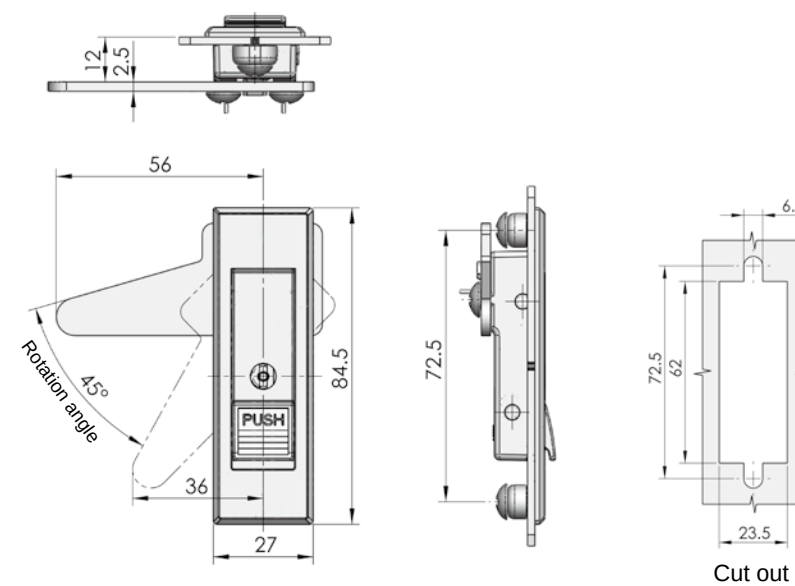
MS723-3



ERP MS723Z2B000001
Remark: Default cam is S3B6500

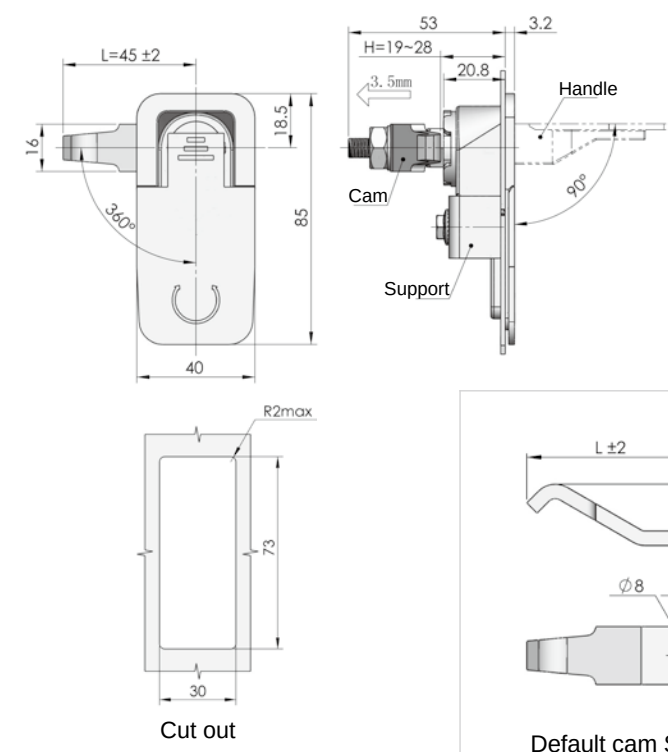


Default key



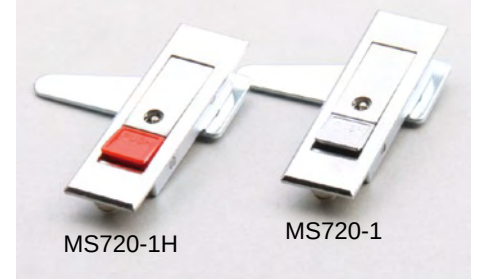
180 degree cam rotation to realize LH or RH (only for cam without bend)

Specification	Model	ERP	
		Nanometer painted	Sand-blast chrome-painted
ZDC button, with insert	MS720-1	MS720Z2B000001	MS720Z3H000014
ZDC button, without insert	MS720-2	MS720Z2B000015	MS720Z3H000025
Plastic button, with insert	MS720-1H	MS720Z2B000002	MS720Z3H000002
Plastic button, without insert	MS720-2H	MS720Z2B000007	MS720Z3H000004



	Black powder coated housing, handle	Bright chrome-plated housing, handle	Nanometer painted housing, handle
ERP	MS726Z1A000001	MS726Z3A000001	MS726Z2B000001

MS720



Main material and finish: ZDC housing, insert, ZDC button or PA button, white zinc-plated steel cam
Application: Quick-open, easy assembling, H variable

Default cam: S1D56Y00002

Performance parameter:
Handle load tension capability: ≤555N
Maximum static load: 350N

MS726-1



Main material and finish: ZDC housing and handle, white zinc plated steel support and cam
Application: Quick-open, easy assembling. H variable by adjusting nut with the function of telescopic

Default cam: S1K45N13004

Performance parameter:
Handle load tension capability: ≤420N
Maximum static load: 400N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket



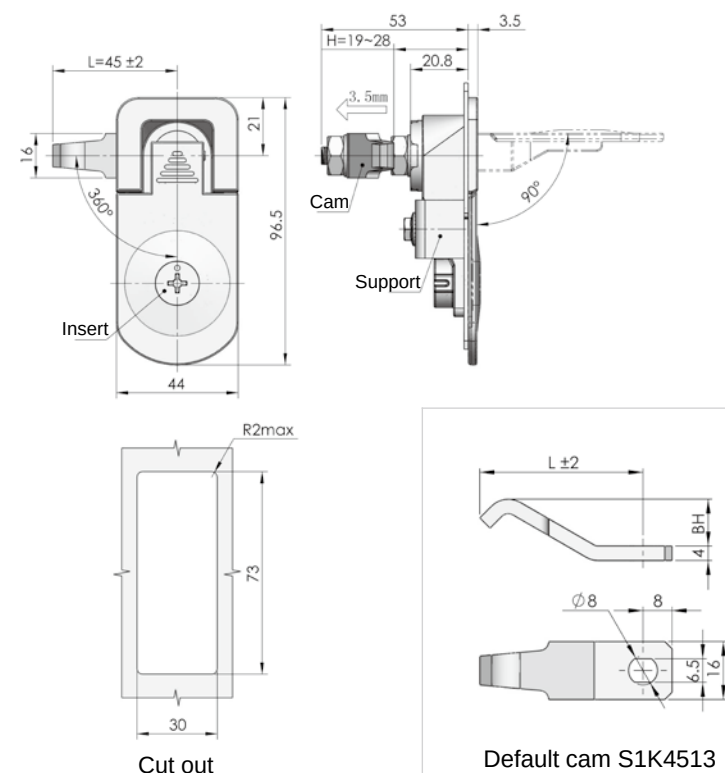
Main material and finish: Sand-spraying and bright chrome-plated ZDC housing, handle and insert, white zinc plated steel support and cam

Application: Quick-open , easy assembling, H variable by adjusting nut with the function of telescopic

Default cam: S1K45N13004

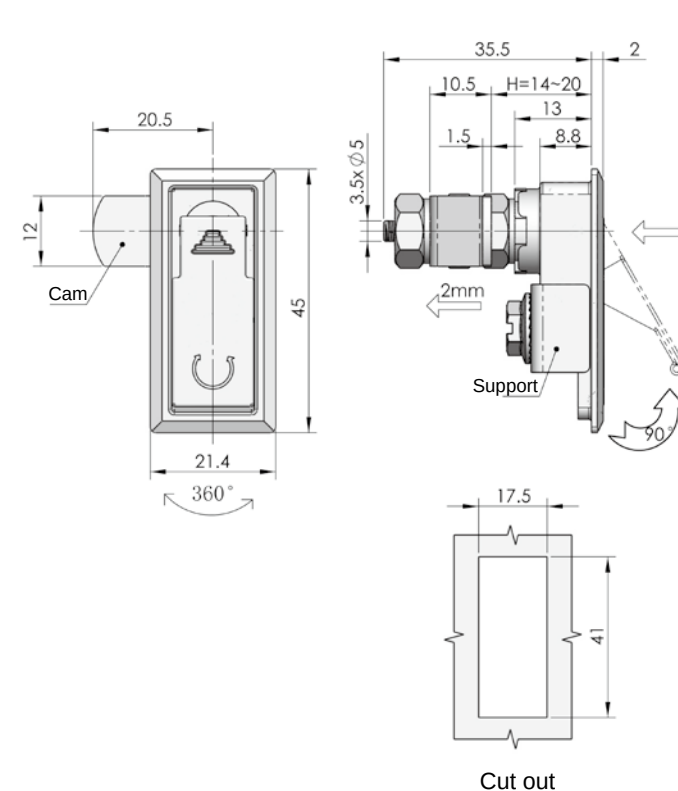
Performance parameter:

Handle load tension capability: ≤420N
Maximum static load: 400N



ERP

MS726Z3H000003



ERP

MS726Z2A000009



Main material and finish: Black painted ZDC housing and handle, white zinc plated steel support and cam

Application: Quick-open , easy assembling, H variable by adjusting nut with the function of telescopic

Default cam: S1W21N09001

Performance parameter:

Handle load tension capability: ≤245N
Maximum static load: 220N



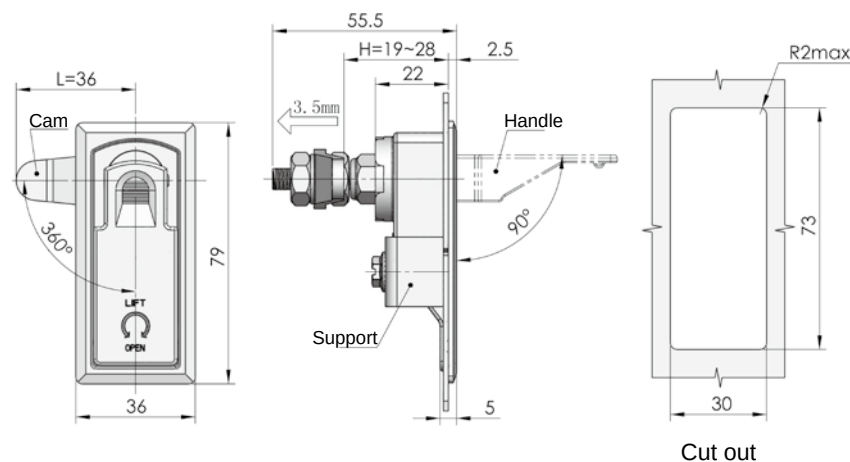
Main material and finish: ZDC housing and handle. white zinc plated steel support and cam

Application: Quick-open, easy assembling. H variable by adjusting nut with the function of telescopic

Default cam: S1K36N06001

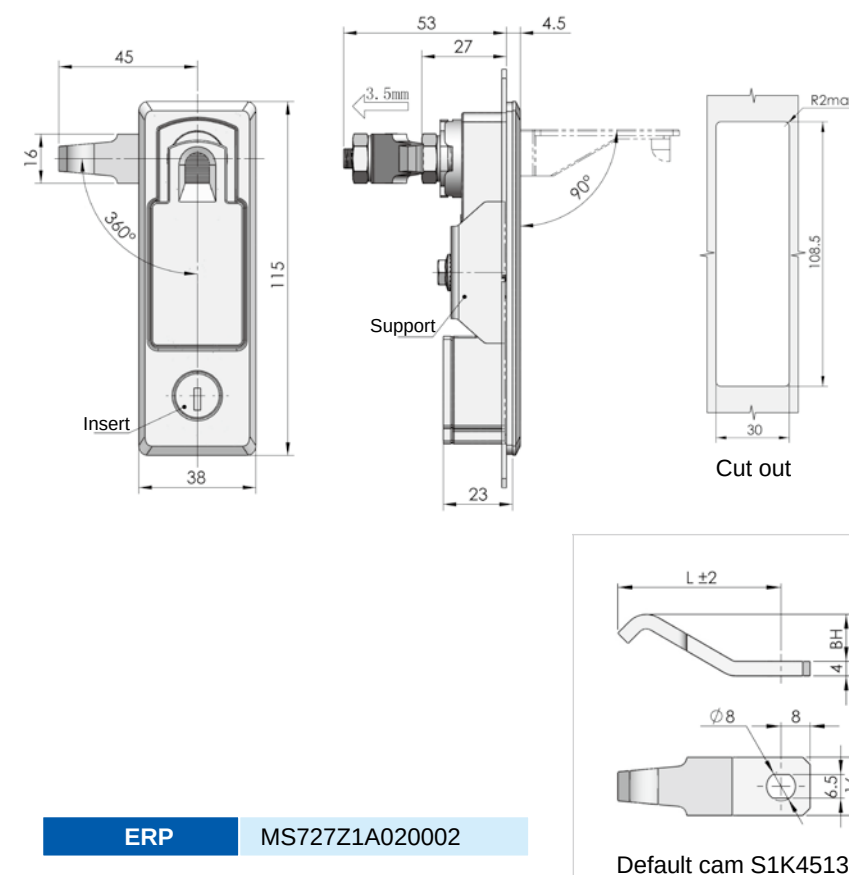
Performance parameter:

Handle load tension capability: ≤280N
Maximum static load: 400N



	Black powder coated housing, handle	Bright chrome-plated housing, handle	Nanometer painted housing, handle
ERP	MS726Z1A000013	MS726Z3A000002	MS726Z2B000004

Remark: The default cam S1K36N06(Cut size Ø8x6.5)



ERP

MS727Z1A020002



Main material and finish: Black powder coated ZDC housing and handle, ZDC insert, white zinc plated steel support and cam

Application: Quick-open , easy assembling, H variable by adjusting nut with the function of telescopic

Remark: Default key K020

Default cam: S1K45N13004

Performance parameter:

Handle load tension capability: ≤690N
Maximum static load: 430N

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

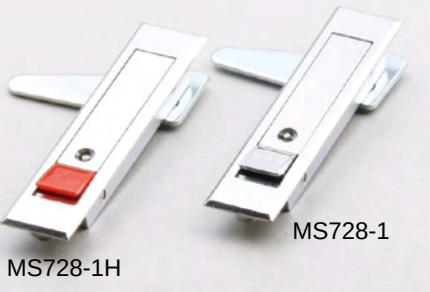
Handles

Door stop

Hinge

Seal gasket

MS728



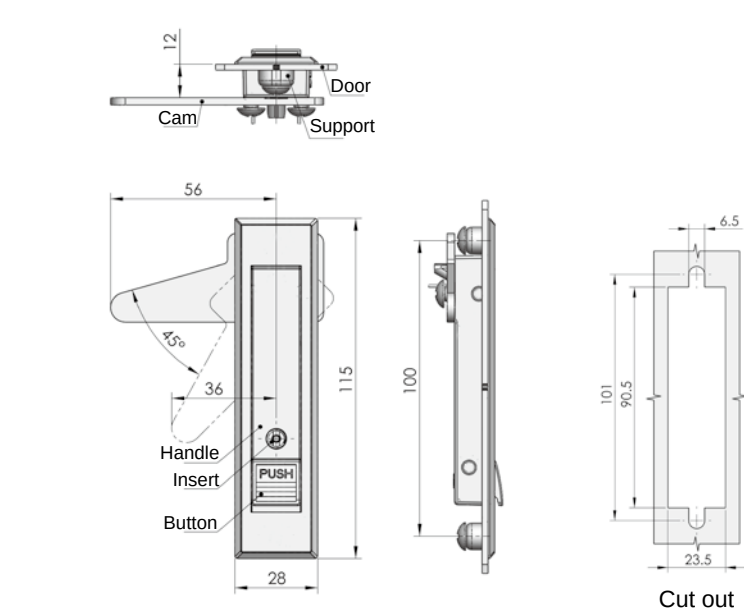
RL

Main material and finish: Sand-spraying and chrome-plated ZDC housing and insert, ZDC button or PA button , white zinc-plated steel cam

Application: Quick-open, easy assembling, H variable, Bend the cam to suit the different H

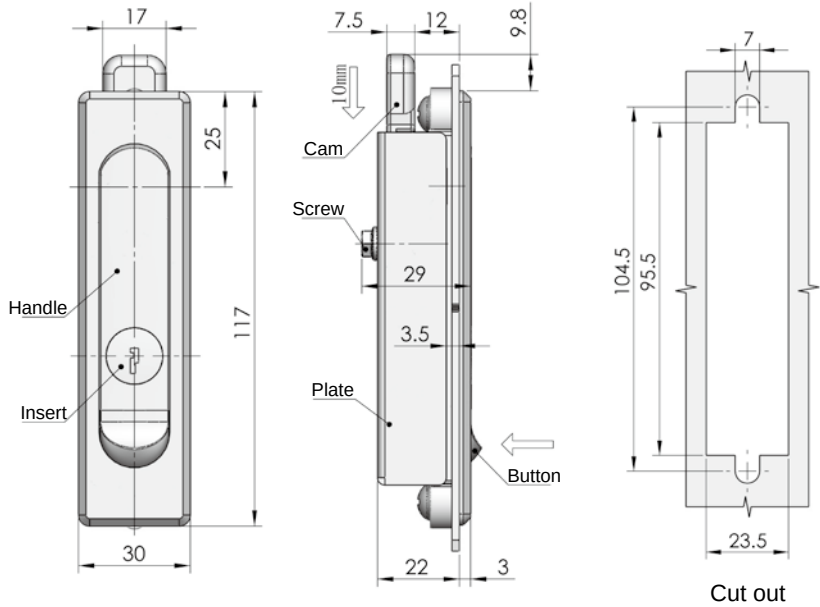
Default cam: S1D56Y00002

Performance parameter:
Handle load tension capability:≤500N
Maximum static load: 350N



180 degree cam rotation to realize LH or RH (only for cam without bend)

Specification	Model	ERP	
		Nanometer painted	Sand-blast chrome-painted
ZDC button, with insert	MS728-1	MS728Z2B000005	MS728Z3H000001
ZDC button, without insert	MS728-2	MS728Z2B000006	MS728Z3H000005
Plastic button, with insert	MS728-1H	MS728Z2B000003	MS728Z3H000002
Plastic button, without insert	MS728-2H	MS728Z2B000004	MS728Z3H000006



	Painted (black) housing, handle	Nanometer painted housing, handle
ERP	MS730Z2A200002	MS730Z2B200002

MS730-1A



Main material and finish: ZDC housing, insert, and button, white zinc-plated ZDC cam

Application: Quick-open, easy assembling, front-end of lock tongue is suitable to special frame structure

Default cam: S1D56Y00002

Performance parameter:
Handle load tension capability:≤540N
Maximum static load: 400N

MS730



RL

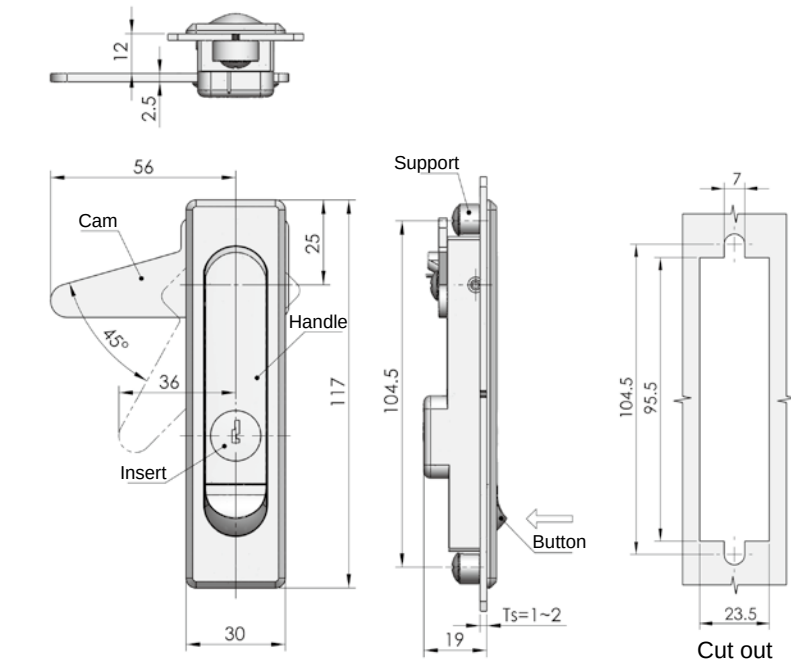
Main material and finish: ZDC housing, insert, and button, white zinc-plated steel cam

Application: Quick-open, easy assembling, H variable, Bend the cam to suit the different H

Remark: Default key K200

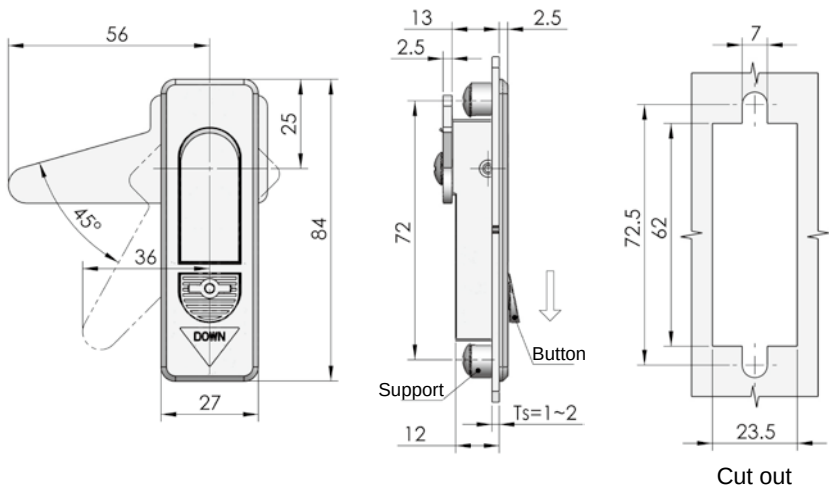
Default cam: S1D56Y00002

Performance parameter:
Handle load tension capability:≤600N
Maximum static load: 350N



180 degree cam rotation to realize LH or RH (only for cam without bend)

	Painted (black) housing, handle	Nanometer painted housing, handle
ERP	MS730Z2A200001	MS730Z2B200018



180 degree cam rotation to realize LH or RH (only for cam without bend)

ERP	MS732Z3A000001
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MS732



RL

Main material and finish: Bright chrome-plated ZDC housing, handle and button, zinc-plated steel cam

Application: Quick-open design, easy installation. Bend the cam to suit the different H

Default cam: S1D56Y00002

Performance parameter:
Handle load tension capability:≤555N
Maximum static load: 350N



RL

Main material and finish: Nanometer painted ZDC housing and handle, ZDC insert, white zinc plated steel support and cam

Application: Quick-open,easy assembling, one-point locking or three-point locking function will be achieved with different cam mounted on

Remark: Default key k060

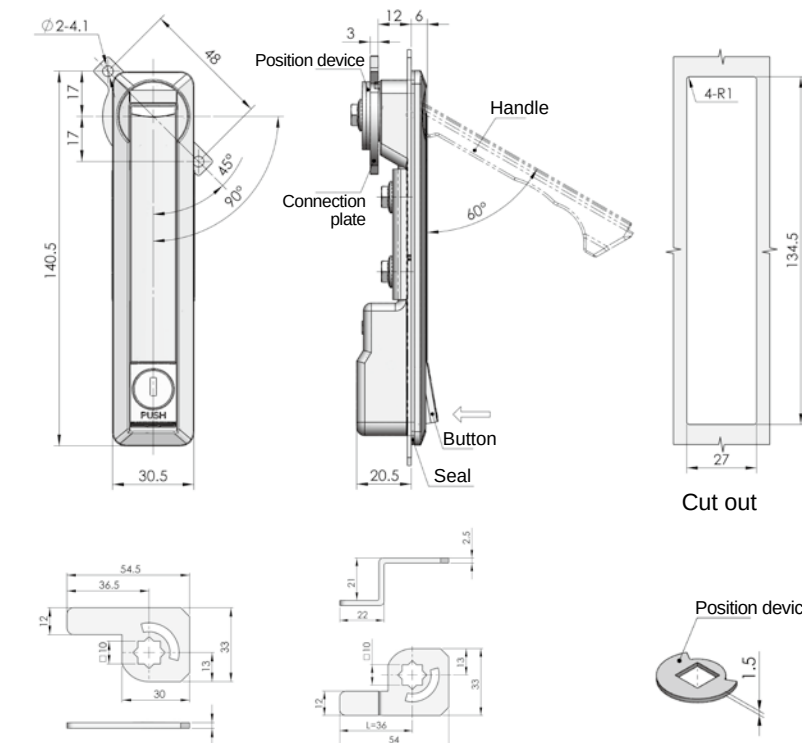
Default cam: 2893240002

Performance parameter:

Handle load tension capability:≤980N

Handle load torque capability: ≤14N.m

Maximum static load: 270N



Optional cam S1C3700D Optional cam S1C3621D

ERP

MS736Z2B060001

Remark: The default cam is S2C2400

Remark: Change the assembling position of the position device and cam to adjust the stop height, thickness of position device is 1.5mm, change the fitting direction of position device to realize RH or LH application



RL

Main material and finish: Nanometer painted ZDC housing and handle, ZDC insert, white zinc plated steel support and cam

Application: Quick-open,easy assembling. One-point locking or three-point locking function will be achieved with different cam mounted on.

Remark: Default key k110

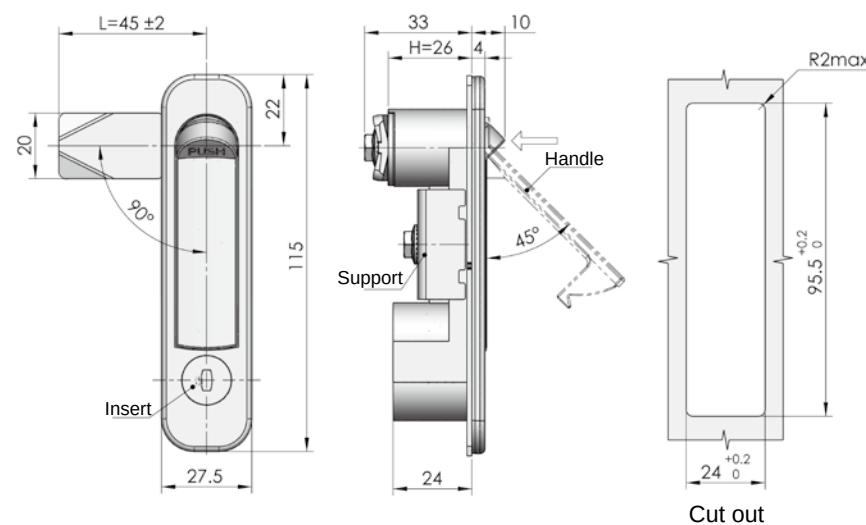
Default cam: S1B45Y00002

Performance parameter:

Handle load tension capability:≤340N

Handle load torque capability: ≤11N.m

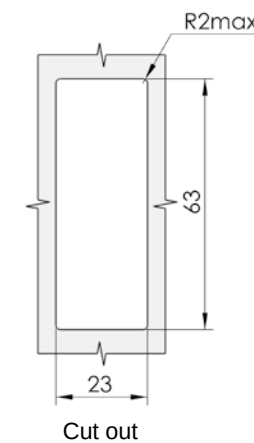
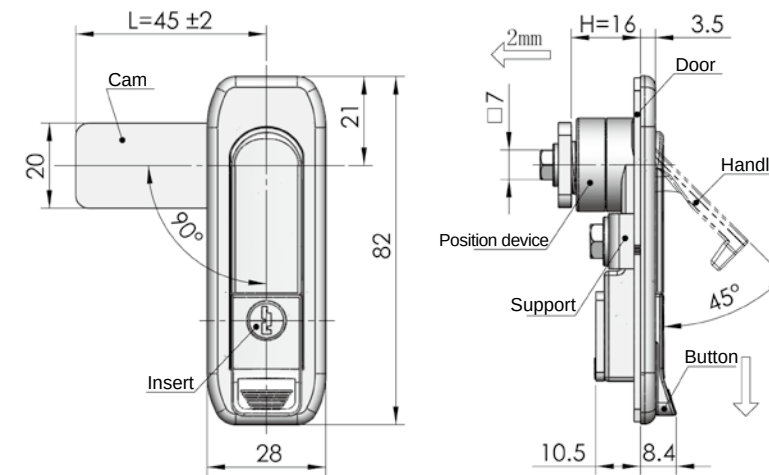
Maximum static load: 270N



ERP

MS737Z2B110001

Remark: The default cam is S1B4500(Option 8*8cam)



Remark: Change the fitting direction of position device and cam to realize RH or LH application

Specification	Model	ERP
With insert	MS738-1	MS738Z2B110009
Without insert	MS738-2	MS738Z2B000002

Remark: The default cam is S1A4500



RL

Main material and finish: Nanometer painted ZDC housing, handle and button, ZDC insert, white zinc plated steel support and cam

Application: Quick-open,easy assembling. One-point locking or three-point locking function will be achieved with different cam mounted on

Remark: Default key k113

Default cam: S1A45Y00004

Performance parameter:

Handle load tension capability:≤250N

Handle load torque capability: ≤14N.m

Maximum static load: 270N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket



MS738-1A

Material: Zamak housing, handle, cylinder Q235 support, cam
Finish: Nanometer painted housing, handle, button, white zinc plated support cam
Structure : Quick-open, easy assembling. One-point locking and three-point locking function will be achieved with different cam mounted on.

Remark: The default key of it is K020

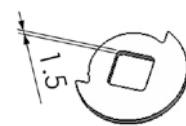
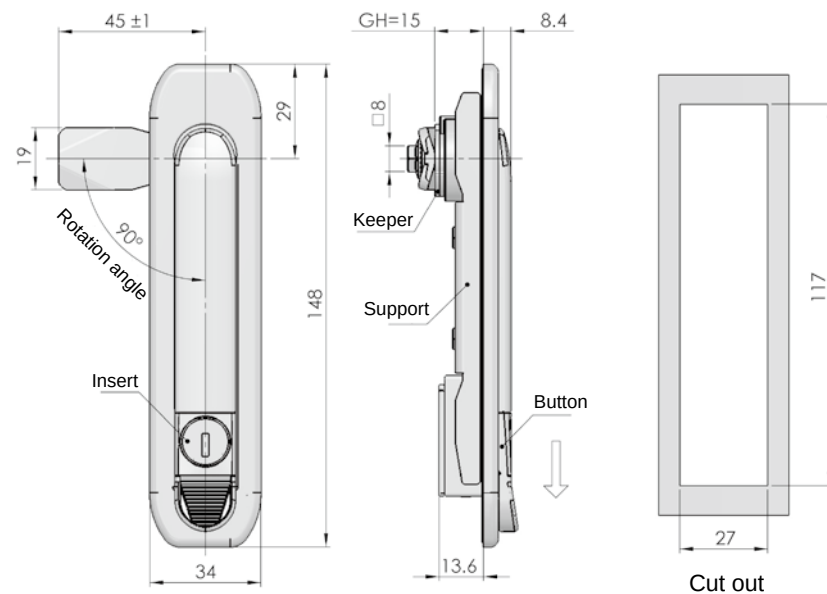
Default cam: S1B45Y00005

Performance parameter:

Handle load tension capability: ≤690N

Handle load torque capability: ≤40N.m

Maximum static load: 270N



Remark: Change the fitting position of the position device and cam can be adjusted the GH, the thickness of the position device is 1.5mm. Change the location of the position device can realize the LH or RH application

ERP

MS738Z2B020002



MS738-2A

Material: Zamak housing, handle, cylinder Q235 support, cam
Finish: Nanometer painted housing handle, white zinc plated support cam
Structure : Quick-open, easy assembling. One-point locking and three-point locking function will be achieved with different cam mounted on.

Remark: The default key of it is K020

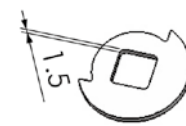
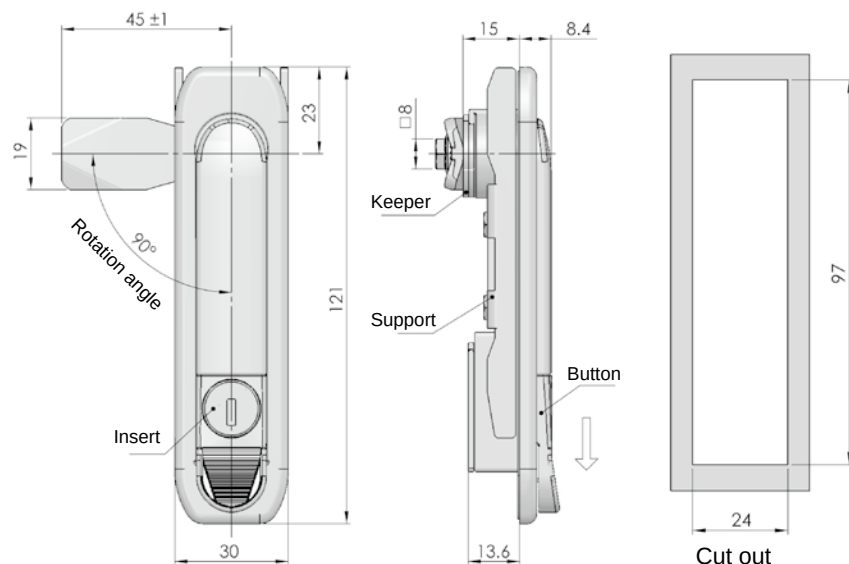
Default cam: S1B45Y00005

Performance parameter:

Handle load tension capability: ≤510N

Handle load torque capability: ≤40N.m

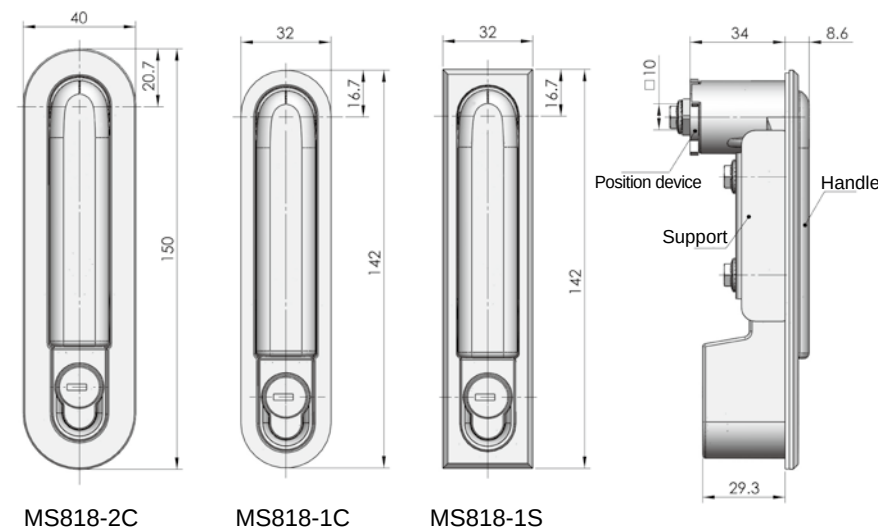
Maximum static load: 270N



Remark: Change the fitting position of the position device and cam can be adjusted the GH, the thickness of the position device is 1.5mm. Change the location of the position device can realize the LH or RH application

ERP

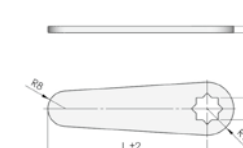
MS738Z2B020001



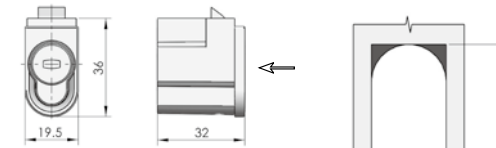
MS818-2C

MS818-1C

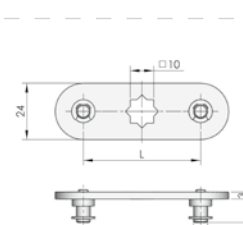
MS818-1S



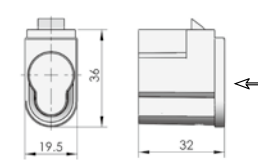
Default cam S1C7200



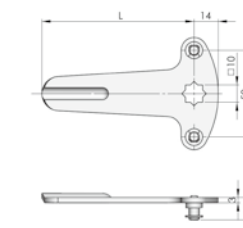
Default profile insert TC04-1



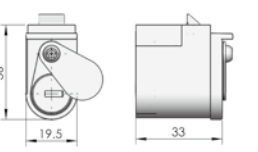
Optional cam S2C2500
S2C2000



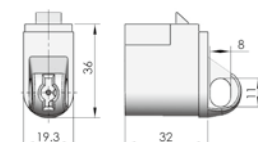
Optional profile insert TC04-2



Optional cam S3C8800



Optional profile insert
TC05-1/TC05-2



Optional profile insert TC06-1

Remark: Change the fitting position or angle of position device and cam to realize LH or RH application



MS818

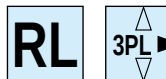
MS818-1S



MS818-1C



MS818-2C



Main material and finish: Black powder coated aluminium-alloy housing and ZDC handle, bright chrome plated ZDC profile insert, white zinc plated steel support and cam
Application: Quick-open, easy assembling. one-point locking or three-point locking function will be achieved with different cam mounted on

Remark : Default profile insert TC04-1, Default key K040

Default cam: S1C72Y00002

Performance parameter:

MS818-1S:

Handle load t ension capability: ≤250N

Handle load torque capability: ≤30N.m

MS818-1C/2C:

Handle load tension capability: ≤430N

Handle load torque capability: ≤25N.m

Max static load : 300N

Program	ERP	
	Black powder coated	Nanometer painted
MS818-1C	MS818Z1A040001	MS818A2B040001
MS818-2C	MS818A1A040003	MS818A2B040003
MS818-1S	MS818Z1A040003	MS818Z2B040003

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

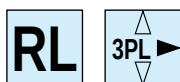
Handles

Door stop

Hinge

Seal gasket

MS818-3B



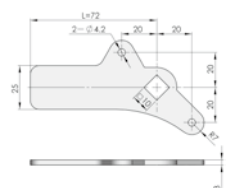
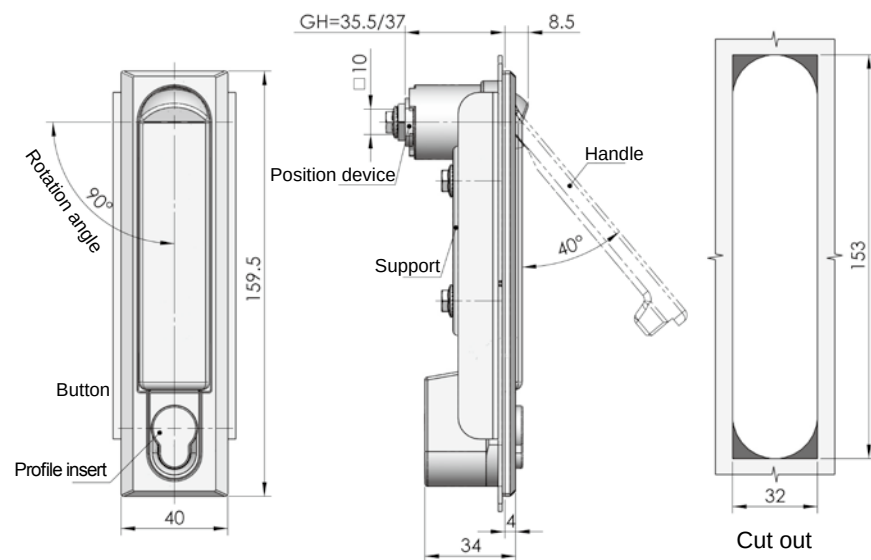
Main material and finish: Nanometer painted housing, handle, bright chrome-plated ZDC profile insert, white zinc-plated steel support and cam

Application: Quick-open, easy assembling, change cam to have one-point or three point locking function

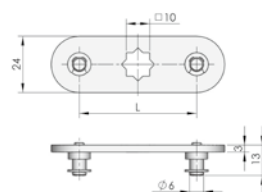
Remark: Default profile insert TC04-2, default key K040

Default cam: S3C72Y00002

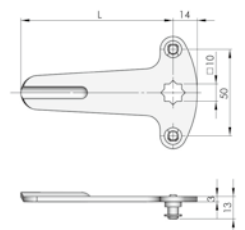
Performance parameter:
Handle load tension capability: $\leq 500\text{N}$
Handle load torque capability: $\leq 28\text{N.m}$
Maximum static load: 300N



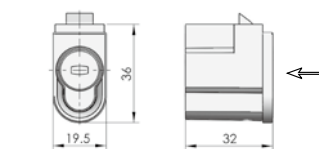
Default cam S3C7200



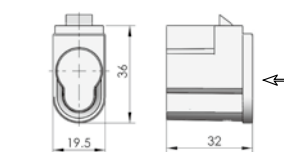
Optional cam S2C2500
S2C2000



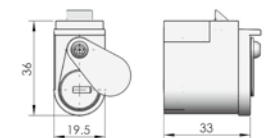
Optional cam S3C8800



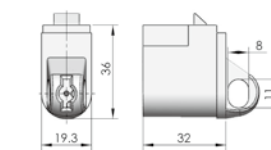
Default profile insert TC04-1



Optional profile insert TC04-2



Optional profile insert
TC05-1/TC05-2



Optional profile insert TC06-1

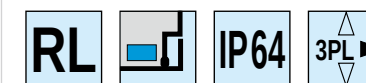


Remark: Change the fitting position or angle of position device and cam to suit LH or RH application

ERP MS818Z2B000002

Remark: Default cam S3C7200

MS834-5

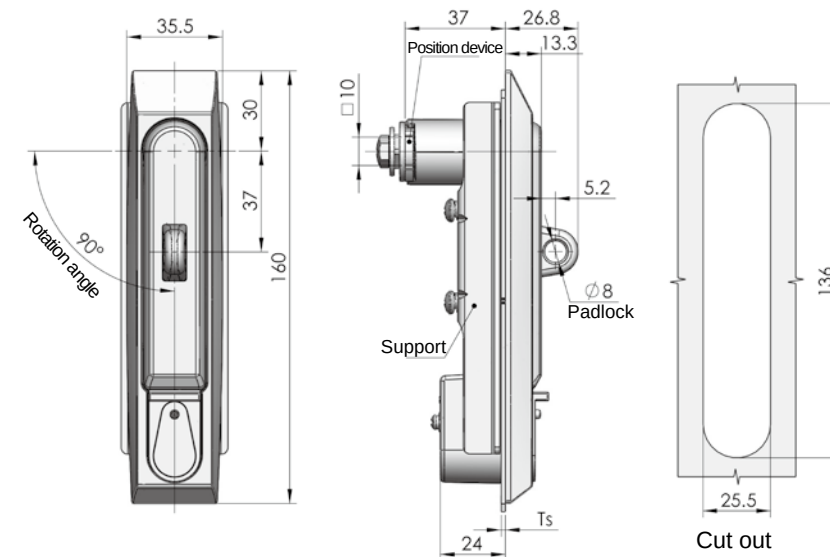


Main material and finish: Black powder coated ZDC housing and handle, bright chrome-plated ZDC profile insert, stainless steel support

Application: Open the handle upward, quarter-turn opening or closing, padlockable

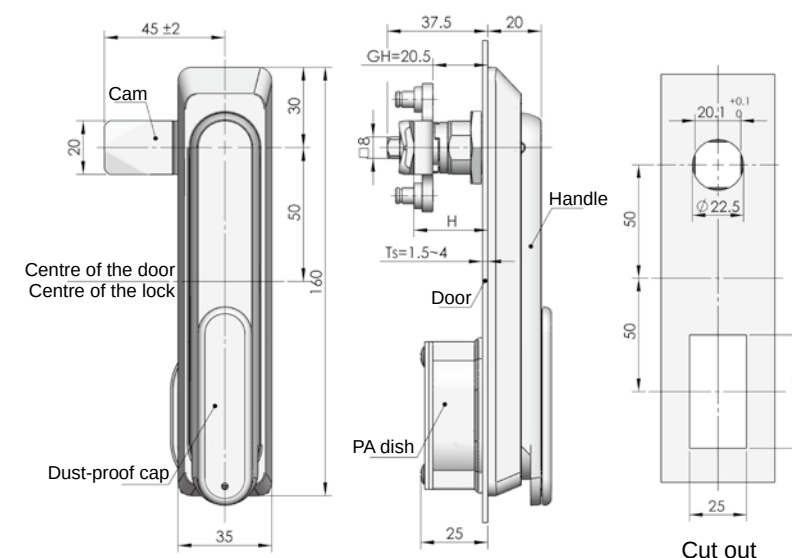
Remark: Default key K043

Performance parameter:
Handle load tension capability: $\leq 310\text{N}$
Handle load torque capability: $\leq 33\text{N.m}$
Tips: Tighten the lock cover is helpful to protect the insert
Max static load : 300N



	MS834-5-P with padlock	MS834-5 without padlock
ERP	MS834Z1A043001	MS834Z1A043003

Remark : ERP excludes cam (optional 10*10) Optional cam S3C5000

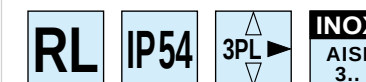


Remark: Default cam S3B4510, H=20.5+10, default profile insert TC01. Cam cutout square 8mm, optional cam, three-point, two-point or one-point cam, see cam list on P007

ERP MS874S4BE03001

Remark: Default cam S3B4510

MS874



Main material and finish: Stainless steel lock-body and cam, PA dish

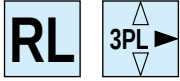
Application: Open the handle upward, quarter-turn opening or closing

Remark: Default profile insert TC01

Default cam: 2882451002

Performance parameter:
Handle load tension capability: $\leq 485\text{N}$
Handle load torque capability: $\leq 25\text{N.m}$
Maximum static load: 300N

MS839



Main material and finish: Pocked black powder coated handle and housing, bright chrome-plated profile insert, white zinc-plated steel support and cam

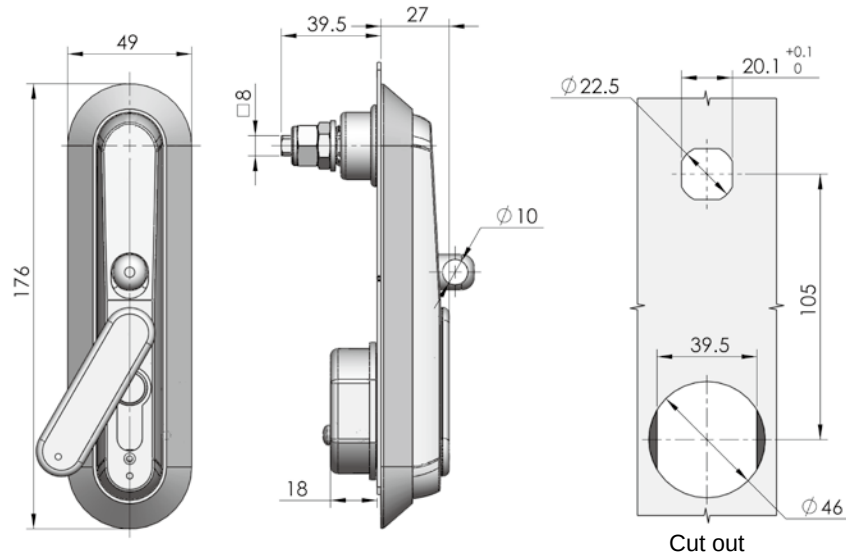
Application: Lead sealable, stop height is variable according to the adjusting nut on cam

Remark: Default TC01 profile insert, default key K140

Default Cam: 2888390001

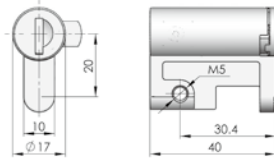
Performance parameter:

Handle load tension capability: ≤700N
Handle load torque capability: ≤40N.m
Maximum static load: 300N

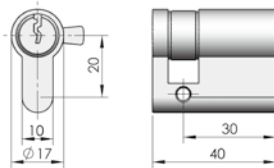


Remark: 8*8 cam series for option

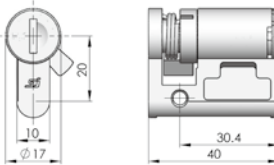
TC01(Default)



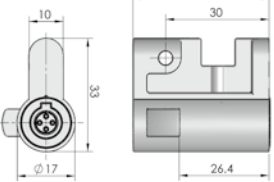
TC03-1(Optional)



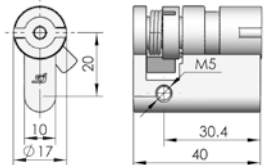
TC01-2(Optional)



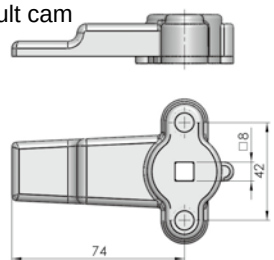
TC18(Optional)—P128



TC02-1(Optional)

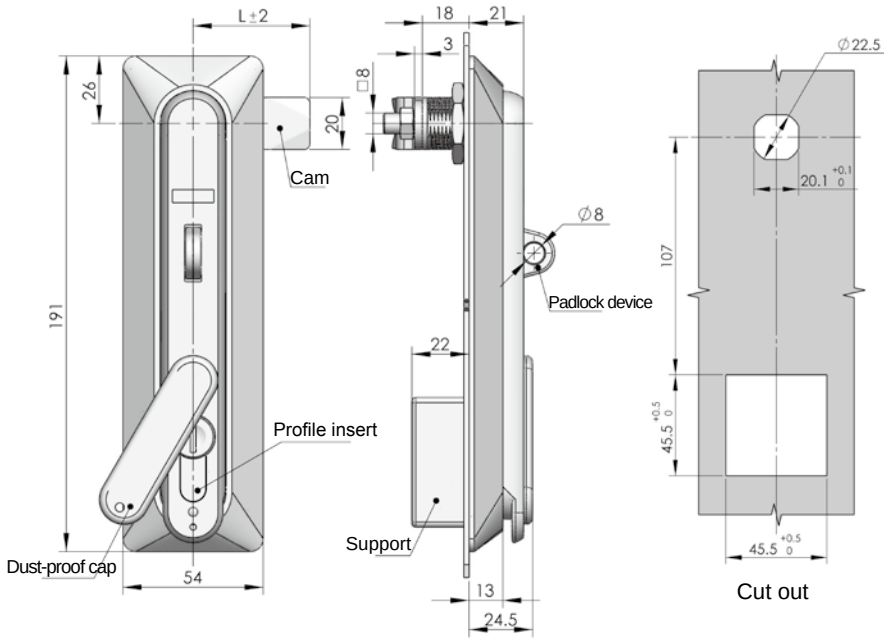


Default cam



Specification	Model	ERP
ZDC handle and housing (Without padlock)	MS839-1	MS839Z1B031003
ZDC handle and housing (With padlock)	MS839-1-P	MS839Z1B140002
ZDC handle and PA housing (Without padlock)	MS839-1F	MS839N00140008
ZDC handle and PA housing (With padlock)	MS839-1F-P	MS839N00140002

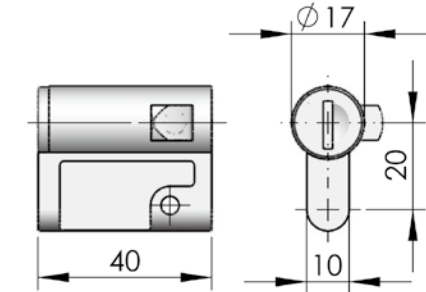
Remark: Default cam S3B7400



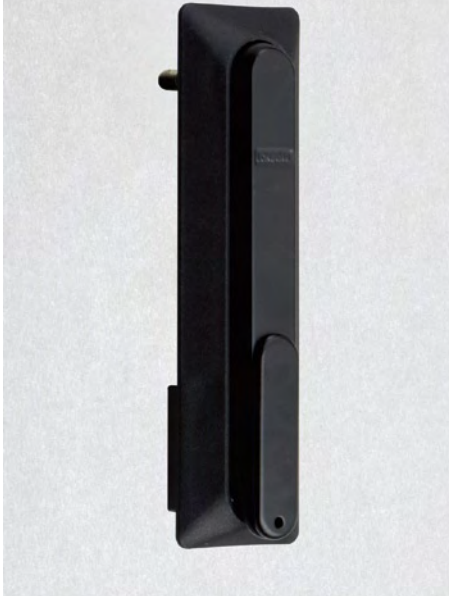
	MS839-5-1 Without padlock	MS839-5-1P With padlock
ERP	MS839N00140007	MS839N00140010

Remark: The default cam is S3B4507 (Option 8*8cam)

TC01 (Default)



MS839-5



Main material and finish: PA housing, black powder coated ZDC handle, white zinc-plated steel cam

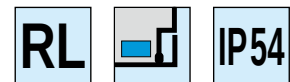
Application: 360 degree handle rotation, padlockable, profile insert adjustable

Remark: Default profile insert TC01, default key K140

Performance parameter:

Handle load tension capability: ≤630N
Handle load torque capability: ≤38N.m
Maximum static load: 300N

MS843



Main material and finish: Nanometer painted ZDC handle and housing, white zinc-plated steel support and cam

Application: Open the handle upward, with cam 90° rotation opening

Remark: Default key K080

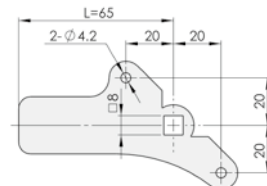
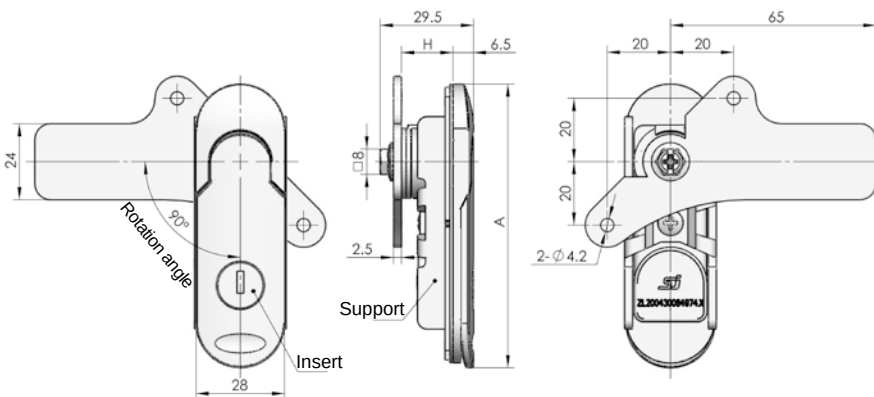
Default cam: S3B65Y00002

Performance parameter:

Handle load tension capability: $\leq 180\text{N}$

Handle load torque capability: $\leq 14\text{N.m}$

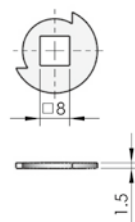
Maximum static load: 190N



Default cam S3B6500



Cut out



Remark: Change the fitting position of the position device and cam to adjust the stop height, change the fitting direction to suit RH or LH application

Specification	With insert		Without insert	
	Model	ERP	Model	ERP
A=89 B=63	MS843-1	MS843Z2B080013	MS843-1A	MS843Z2B000011
A=107 B=80	MS843-2	MS843Z2B080016	MS843-2A	MS843Z2B000012
A=123 B=96	MS843-3	MS843Z2B080020	MS843-3A	MS843Z2B000005

MS860



MS860-1

MS860-2



Structure:The H dimension can be adjusted by nut, padlock available

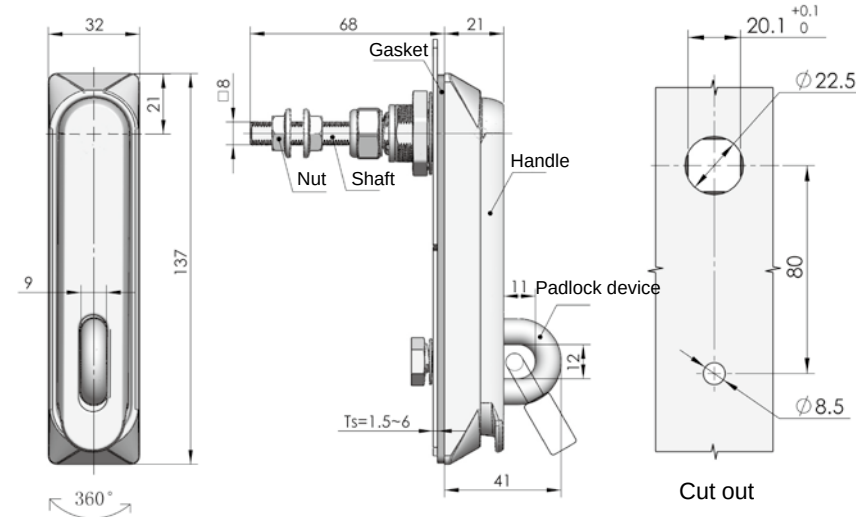
Default cam: 2882450007(Stainless steel)
2882450002(White zinc
plated steel)

Performance parameter:

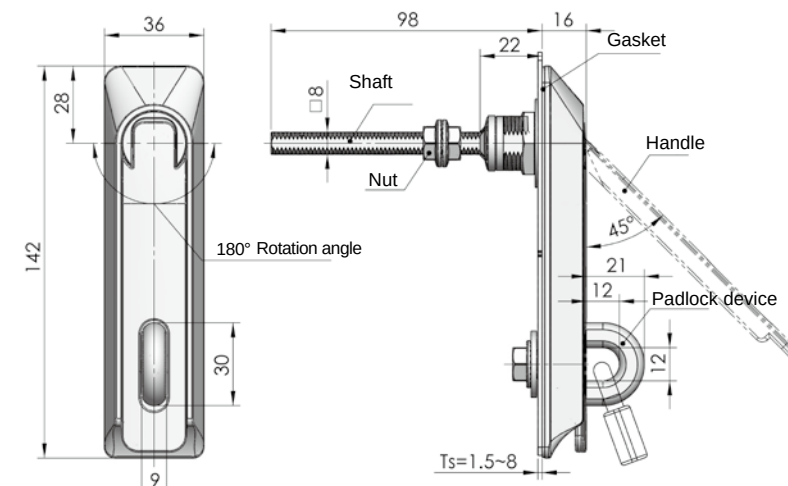
Handle load tension capability: $\leq 280\text{N}$

Handle load torque capability: $\leq 42\text{N.m}$

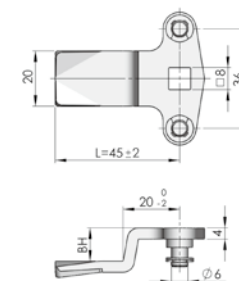
Maximum static load: 300N



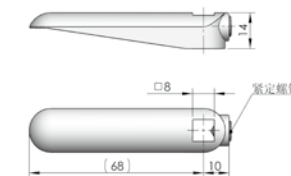
MS860-1



MS860-2



Default cam S3B4500



Optional cam S1B6800X

Model	ERP	Material & Finish
MS860-1	MS860S4B000001	Stainless steel(Brushed polish)
MS860-2	MS860Z3G000001	Yellow nickel plated zinc alloy

Accessories	MS861  RL  IP54 Main material and finish: Pocked black power coated ZDC housing and handle, white zinc-plated steel cam, stainless steel shaft Application: Open the handle upward quarter-turn opening, adding electronic shielding part to have function of shielding Remark: Default key K140 Default cam: S3C44Y13005(Right) S3C44Y13002(Left) Performance parameter: Handle load tension capability:≤570N Handle load torque capability: ≤14N.m Maximum static load: 300N <td data-kind="parent" data-rs="5">  RL  IP54 Main material and finish: ZDC housing , handle and shaft, steel support; Application: Open the handle upward quarter-turn opening, position device direction to suit RH or LH application; Remark: Default TC01 profile cylinder, K140 key. cam is optional, can be used for MS861-2 Performance parameter: Handle load tension capability:≤390N Handle load torque capability: ≤12N.m Maximum static load: 300N </td> <td data-kind="parent" data-rs="5"> MS861-2G  RL  IP65  Main material and finish:ZDC housing , handle and shaft, steel support; Application: Open the handle upward quarter-turn opening, position device direction to suit RH or LH application; Remark: Default TC01 profile cylinder, K140 key. cam is optional, can be used for MS861-2 Performance parameter: Handle load tension capability:≤390N Handle load torque capability: ≤12N.m Maximum static load: 300N </td> <td>Electronic lock</td>	 RL  IP54 Main material and finish: ZDC housing , handle and shaft, steel support; Application: Open the handle upward quarter-turn opening, position device direction to suit RH or LH application; Remark: Default TC01 profile cylinder, K140 key. cam is optional, can be used for MS861-2 Performance parameter: Handle load tension capability:≤390N Handle load torque capability: ≤12N.m Maximum static load: 300N	MS861-2G  RL  IP65  Main material and finish:ZDC housing , handle and shaft, steel support; Application: Open the handle upward quarter-turn opening, position device direction to suit RH or LH application; Remark: Default TC01 profile cylinder, K140 key. cam is optional, can be used for MS861-2 Performance parameter: Handle load tension capability:≤390N Handle load torque capability: ≤12N.m Maximum static load: 300N	Electronic lock
Handle lock		Handle lock		
Cylinder lock		Cylinder lock		
Plane lock		Plane lock		
Rod control lock		Rod control lock		
Panel lock	MS861-2  RL  IP54 Main material and finish: ZDC housing, handle and shaft, white zinc-plated steel cam Application: Open the handle upward, quarter-turn rotation opening Remark: Default K140 key Default cam: 2882451002 Performance parameter: Handle load tension capability:≤390N Handle load torque capability: ≤12N.m Maximum static load: 300N <td data-kind="parent" data-rs="5">  RL  IP54 Main material and finish: Pocked black powder coated housing and handle Application: Open the handle upward, quarter-turn rotation opening Remark: Default K140 key Default cam: 2882451002 Performance parameter: Handle load tension capability:≤390N Handle load torque capability: ≤12N.m Maximum static load: 300N </td> <td data-kind="parent" data-rs="5">  RL  IP54 Main material and finish: Nanometer painted housing and handle Application: Open the handle upward, quarter-turn rotation opening Remark: Default K140 key Default cam: 2882451002 Performance parameter: Handle load tension capability:≤390N Handle load torque capability: ≤12N.m Maximum static load: 300N </td> <td>Panel lock</td>	 RL  IP54 Main material and finish: Pocked black powder coated housing and handle Application: Open the handle upward, quarter-turn rotation opening Remark: Default K140 key Default cam: 2882451002 Performance parameter: Handle load tension capability:≤390N Handle load torque capability: ≤12N.m Maximum static load: 300N	 RL  IP54 Main material and finish: Nanometer painted housing and handle Application: Open the handle upward, quarter-turn rotation opening Remark: Default K140 key Default cam: 2882451002 Performance parameter: Handle load tension capability:≤390N Handle load torque capability: ≤12N.m Maximum static load: 300N	Panel lock
Toggle and hook		Toggle and hook		
Handles		Handles		
Door stop		Door stop		
Hinge		Hinge		
Seal gasket		Seal gasket		

	 RL  IP54 Main material and finish: Pocked black power coated ZDC housing and handle, white zinc-plated steel cam, stainless steel shaft Application: Open the handle upward quarter-turn opening, adding electronic shielding part to have function of shielding Remark: Default key K140 Default cam: S3C44Y13005(Right) S3C44Y13002(Left) Performance parameter: Handle load tension capability:≤570N Handle load torque capability: ≤14N.m Maximum static load: 300N	 RL  IP54 Main material and finish: ZDC housing , handle and shaft, steel support; Application: Open the handle upward quarter-turn opening, position device direction to suit RH or LH application; Remark: Default TC01 profile cylinder, K140 key. cam is optional, can be used for MS861-2 Performance parameter: Handle load tension capability:≤390N Handle load torque capability: ≤12N.m Maximum static load: 300N
Electronic lock	Electronic lock	
Handle lock	Handle lock	
Cylinder lock	Cylinder lock	
Plane lock	Plane lock	
Rod control lock	Rod control lock	
Panel lock	Panel lock	
Toggle and hook	Toggle and hook	
Handles	Handles	
Door stop	Door stop	
Hinge	Hinge	
Seal gasket	Seal gasket	

	 RL  IP54 Main material and finish: Pocked black power coated ZDC housing and handle, white zinc-plated steel cam, stainless steel shaft Application: Open the handle upward quarter-turn opening, adding electronic shielding part to have function of shielding Remark: Default key K140 Default cam: S3C44Y13005(Right) S3C44Y13002(Left) Performance parameter: Handle load tension capability:≤570N Handle load torque capability: ≤14N.m Maximum static load: 300N	 RL  IP54 Main material and finish: ZDC housing , handle and shaft, steel support; Application: Open the handle upward quarter-turn opening, position device direction to suit RH or LH application; Remark: Default TC01 profile cylinder, K140 key. cam is optional, can be used for MS861-2 Performance parameter: Handle load tension capability:≤390N Handle load torque capability: ≤12N.m Maximum static load: 300N
Electronic lock	Electronic lock	
Handle lock	Handle lock	
Cylinder lock	Cylinder lock	
Plane lock	Plane lock	
Rod control lock	Rod control lock	
Panel lock	Panel lock	
Toggle and hook	Toggle and hook	
Handles	Handles	
Door stop	Door stop	
Hinge	Hinge	
Seal gasket	Seal gasket	

	 RL  IP54 Main material and finish: Pocked black power coated ZDC housing and handle, white zinc-plated steel cam, stainless steel shaft Application: Open the handle upward quarter-turn opening, adding electronic shielding part to have function of shielding Remark: Default key K140 Default cam: S3C44Y13005(Right) S3C44Y13002(Left) Performance parameter: Handle load tension capability:≤570N Handle load torque capability: ≤14N.m Maximum static load: 300N	 RL  IP54 Main material and finish: ZDC housing , handle and shaft, steel support; Application: Open the handle upward quarter-turn opening, position device direction to suit RH or LH application; Remark: Default TC01 profile cylinder, K140 key. cam is optional, can be used for MS861-2 Performance parameter: Handle load tension capability:≤390N Handle load torque capability: ≤12N.m Maximum static load: 300N
Electronic lock	Electronic lock	
Handle lock	Handle lock	
Cylinder lock	Cylinder lock	
Plane lock	Plane lock	
Rod control lock	Rod control lock	
Panel lock	Panel lock	
Toggle and hook	Toggle and hook	
Handles	Handles	
Door stop	Door stop	
Hinge	Hinge	
Seal gasket	Seal gasket	

	 RL  IP54 Main material and finish: Pocked black power coated ZDC housing and handle, white zinc-plated steel cam, stainless steel shaft Application: Open the handle upward quarter-turn opening, adding electronic shielding part to have function of shielding Remark: Default key K140 Default cam: S3C44Y13005(Right) S3C44Y13002(Left) Performance parameter: Handle load tension capability:≤570N Handle load torque capability: ≤14N.m Maximum static load: 300N	 RL  IP54 Main material and finish: ZDC housing , handle and shaft, steel support; Application: Open the handle upward quarter-turn opening, position device direction to suit RH or LH application; Remark: Default TC01 profile cylinder, K140 key. cam is optional, can be used for MS861-2 Performance parameter: Handle load tension capability:≤390N Handle load torque capability: ≤12N.m Maximum static load: 300N
Electronic lock	Electronic lock	
Handle lock	Handle lock	
Cylinder lock	Cylinder lock	
Plane lock	Plane lock	
Rod control lock	Rod control lock	
Panel lock	Panel lock	
Toggle and hook	Toggle and hook	
Handles	Handles	
Door stop	Door stop	
Hinge	Hinge	
Seal gasket	Seal gasket	

	 RL  IP54 Main material and finish: Pocked black power coated ZDC housing and handle, white zinc-plated steel cam, stainless steel shaft Application: Open the handle upward quarter-turn opening, adding electronic shielding part to have function of shielding Remark: Default key K140 Default cam: S3C44Y13005(Right) S3C44Y13002(Left) Performance parameter: Handle load tension capability:≤570N Handle load torque capability: ≤14N.m Maximum static load: 300N	 RL  IP54 Main material and finish: ZDC housing , handle and shaft, steel support; Application: Open the handle upward quarter-turn opening, position device direction to suit RH or LH application; Remark: Default TC01 profile cylinder, K140 key. cam is optional, can be used for MS861-2 Performance parameter: Handle load tension capability:≤390N Handle load torque capability: ≤12N.m Maximum static load: 300N
Electronic lock	Electronic lock	
Handle lock	Handle lock	
Cylinder lock	Cylinder lock	
Plane lock	Plane lock	
Rod control lock	Rod control lock	
Panel lock	Panel lock	
Toggle and hook	Toggle and hook	
Handles	Handles	
Door stop	Door stop	
Hinge	Hinge	
Seal gasket	Seal gasket	

	 RL  IP54 Main material and finish: Pocked black power coated ZDC housing and handle, white zinc-plated steel cam, stainless steel shaft Application: Open the handle upward quarter-turn opening, adding electronic shielding part to have function of shielding Remark: Default key K140 Default cam: S3C44Y13005(Right) S3C44Y13002(Left) Performance parameter: Handle load tension capability:≤570N Handle load torque capability: ≤14N.m Maximum static load: 300N	 RL  IP54 Main material and finish: ZDC housing , handle and shaft, steel support; Application: Open the handle upward quarter-turn opening, position device direction to suit RH or LH application; Remark: Default TC01 profile cylinder, K140 key. cam is optional, can be used for MS861-2 Performance parameter: Handle load tension capability:≤390N Handle load torque capability: ≤12N.m Maximum static load: 300N
Electronic lock	Electronic lock	
Handle lock	Handle lock	
Cylinder lock	Cylinder lock	
Plane lock	Plane lock	
Rod control lock	Rod control lock	
Panel lock	Panel lock	
Toggle and hook	Toggle and hook	
Handles	Handles	
Door stop	Door stop	
Hinge	Hinge	
Seal gasket	Seal gasket	

	 RL  IP54 Main material and finish: Pocked black power coated ZDC housing and handle, white zinc-plated steel cam, stainless steel shaft Application: Open the handle upward quarter-turn opening, adding electronic shielding part to have function of shielding Remark: Default key K140 Default cam: S3C44Y13005(Right) S3C44Y13002(Left) Performance parameter: Handle load tension capability:≤570N Handle load torque capability: ≤14N.m Maximum static load: 300N	 RL  IP54 Main material and finish: ZDC housing , handle and shaft, steel support; Application: Open the handle upward quarter-turn opening, position device direction to suit RH or LH application; Remark: Default TC01 profile cylinder, K140 key. cam is optional, can be used for MS861-2 Performance parameter: Handle load tension capability:≤390N Handle load torque capability: ≤12N.m Maximum static load: 300N
Electronic lock	Electronic lock	
Handle lock	Handle lock	
Cylinder lock	Cylinder lock	
Plane lock	Plane lock	
Rod control lock	Rod control lock	
Panel lock	Panel lock	
Toggle and hook	Toggle and hook	
Handles	Handles	
Door stop	Door stop	
Hinge	Hinge	
Seal gasket	Seal gasket	

	 RL  IP54 Main material and finish: Pocked black power coated ZDC housing and handle, white zinc-plated steel cam, stainless steel shaft Application: Open the handle upward quarter-turn opening, adding electronic shielding part to have function of shielding Remark: Default key K140 Default cam: S3C44Y13005(Right) S3C44Y13002(Left) Performance parameter: Handle load tension capability:≤570N Handle load torque capability: ≤14N.m Maximum static load: 300N	 RL  IP54 Main material and finish: ZDC housing , handle and shaft, steel support; Application: Open the handle upward quarter-turn opening, position device direction to suit RH or LH application; Remark: Default TC01 profile cylinder, K140 key. cam is optional, can be used for MS861-2 Performance parameter: Handle load tension capability:≤390N Handle load torque capability: ≤12N.m Maximum static load: 300N
Electronic lock	Electronic lock	
Handle lock	Handle lock	
Cylinder lock	Cylinder lock	
Plane lock	Plane lock	
Rod control lock	Rod control lock	
Panel lock	Panel lock	
Toggle and hook	Toggle and hook	
Handles	Handles	
Door stop	Door stop	
Hinge	Hinge	
Seal gasket	Seal gasket	

	 RL  IP54 Main material and finish: Pocked black power coated ZDC housing and handle, white zinc-plated steel cam, stainless steel shaft Application: Open the handle upward quarter-turn opening, adding electronic shielding part to have function of shielding Remark: Default key K140 Default cam: S3C44Y13005(Right) S3C44Y13002(Left) Performance parameter: Handle load tension capability:≤570N Handle load torque capability: ≤14N.m Maximum static load: 300N	 RL  IP54 Main material and finish: ZDC housing , handle and shaft, steel support; Application: Open the handle upward quarter-turn opening, position device direction to suit RH or LH application; Remark: Default TC01 profile cylinder, K140 key. cam is optional, can be used for MS861-2 Performance parameter: Handle load tension capability:≤390N Handle load torque capability: ≤12N.m Maximum static load: 300N
Electronic lock	Electronic lock	
Handle lock	Handle lock	
Cylinder lock	Cylinder lock	
Plane lock	Plane lock	
Rod control lock	Rod control lock	
Panel lock	Panel lock	
Toggle and hook	Toggle and hook	
Handles	Handles	
Door stop	Door stop	
Hinge	Hinge	
Seal gasket	Seal gasket	

	 RL  IP54 Main material and finish: Pocked black power coated ZDC housing and handle, white zinc-plated steel cam, stainless steel shaft Application: Open the handle upward quarter-turn opening, adding electronic shielding part to have function of shielding Remark: Default key K140 Default cam: S3C44Y13005(Right) S3C44Y13002(Left) Performance parameter: Handle load tension capability:≤570N Handle load torque capability: ≤14N.m Maximum static load: 300N	 RL  IP54 Main material and finish: ZDC housing , handle and shaft, steel support; Application: Open the handle upward quarter-turn opening, position device direction to suit RH or LH application; Remark: Default TC01 profile cylinder, K140 key. cam is optional, can be used for MS861-2 Performance parameter: Handle load tension capability:≤390N Handle load torque capability: ≤12N.m Maximum static load: 300N
Electronic lock	Electronic lock	
Handle lock	Handle lock	
Cylinder lock	Cylinder lock	
Plane lock	Plane lock	
Rod control lock	Rod control lock	
Panel lock	Panel lock	
Toggle and hook	Toggle and hook	
Handles	Handles	
Door stop	Door stop	
Hinge	Hinge	
Seal gasket	Seal gasket	

	 RL  IP54 Main material and finish: Pocked black power coated ZDC housing and handle, white zinc-plated steel cam, stainless steel shaft Application: Open the handle upward quarter-turn opening, adding electronic shielding part to have function of shielding Remark: Default key K140 Default cam: S3C44Y13005(Right) S3C44Y13002(Left) Performance parameter: Handle load tension capability:≤570N Handle load torque capability: ≤14N.m Maximum static load: 300N	 RL  IP54 Main material and finish: ZDC housing , handle and shaft, steel support; Application: Open the handle upward quarter-turn opening, position device direction to suit RH or LH application; Remark: Default TC01 profile cylinder, K140 key. cam is optional, can be used for MS861-2 Performance parameter: Handle load tension capability:≤390N Handle load torque capability: ≤12N.m Maximum static load: 300N
Electronic lock	Electronic lock	
Handle lock	Handle lock	
Cylinder lock	Cylinder lock	
Plane lock	Plane lock	
Rod control lock	Rod control lock	
Panel lock	Panel lock	
Toggle and hook	Toggle and hook	
Handles	Handles	
Door stop	Door stop	
Hinge	Hinge	
Seal gasket	Seal gasket	

	 RL  IP54 Main material and finish: Pocked black power coated ZDC housing and handle, white zinc-plated steel cam, stainless steel shaft Application: Open the handle upward quarter-turn opening, adding electronic shielding part to have function of shielding Remark: Default key K140 Default cam: S3C44Y13005(Right) S3C44Y13002(Left) Performance parameter: Handle load tension capability:≤570N Handle load torque capability: ≤14N.m Maximum static load: 300N	 RL  IP54 Main material and finish: ZDC housing , handle and shaft, steel support; Application: Open the handle upward quarter-turn opening, position device direction to suit RH or LH application; Remark: Default TC01 profile cylinder, K140 key. cam is optional, can be used for MS861-2 Performance parameter: Handle load tension capability:≤390N Handle load torque capability: ≤12N.m Maximum static load: 300N
Electronic lock	Electronic lock	
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Cylinder lock	Cylinder lock	
Plane lock	Plane lock	
Rod control lock	Rod control lock	
Panel lock	Panel lock	
Toggle and hook	Toggle and hook	
Handles	Handles	
Door stop	Door stop	
Hinge	Hinge	
Seal gasket	Seal gasket	

	 RL  IP54 Main material and finish: Pocked black power coated ZDC housing and handle, white zinc-plated steel cam, stainless steel shaft Application: Open the handle upward quarter-turn opening, adding electronic shielding part to have function of shielding Remark: Default key K140 Default cam: S3C44Y13005(Right) S3C44Y13002(Left) Performance parameter: Handle load tension capability:≤570N Handle load torque capability: ≤14N.m Maximum static load: 300N	 RL  IP54 Main material and finish: ZDC housing , handle and shaft, steel support; Application: Open the handle upward quarter-turn opening, position device direction to suit RH or LH application; Remark: Default TC01 profile cylinder, K140 key. cam is optional, can be used for MS861-2 Performance parameter: Handle load tension capability:≤390N Handle load torque capability: ≤12N.m Maximum static load: 300N
Electronic lock	Electronic lock	
Handle lock	Handle lock	
Cylinder lock	Cylinder lock	
Plane lock	Plane lock	
Rod control lock	Rod control lock	
Panel lock	Panel lock	
Toggle and hook	Toggle and hook	
Handles	Handles	
Door stop	Door stop	
Hinge	Hinge	
Seal gasket	Seal gasket	

	 RL  IP54 Main material and finish: Pocked black power coated ZDC housing and handle, white zinc-plated steel cam, stainless steel shaft Application: Open the handle upward quarter-turn opening, adding electronic shielding part to have function of shielding Remark: Default key K140 Default cam: S3C44Y13005(Right) S3C44Y13002(Left) Performance parameter: Handle load tension capability:≤570N Handle load torque capability: ≤14N.m Maximum static load: 300N	 RL  IP54 Main material and finish: ZDC housing , handle and shaft, steel support; Application: Open the handle upward quarter-turn opening, position device direction to suit RH or LH application; Remark: Default TC01 profile cylinder, K140 key. cam is optional, can be used for MS861-2 Performance parameter: Handle load tension capability:≤390N Handle load torque capability: ≤12N.m Maximum static load: 300N
Electronic lock	Electronic lock	
Handle lock	Handle lock	
Cylinder lock	Cylinder lock	
Plane lock	Plane lock	
Rod control lock	Rod control lock	
Panel lock	Panel lock	
Toggle and hook	Toggle and hook	
Handles	Handles	
Door stop	Door stop	
Hinge	Hinge	
Seal gasket	Seal gasket	

	 RL  IP54 Main material and finish: Pocked black power coated ZDC housing and handle, white zinc-plated steel cam, stainless steel shaft Application: Open the handle upward quarter-turn opening, adding electronic shielding part to have function of shielding Remark: Default key K140 Default cam: S3C44Y13005(Right) S3C44Y13002(Left) Performance parameter: Handle load tension capability:≤570N Handle load torque capability: ≤14N.m Maximum static load: 300N	 RL  IP54 Main material and finish: ZDC housing , handle and shaft, steel support; Application: Open the handle upward quarter-turn opening, position device direction to suit RH or LH application; Remark: Default TC01 profile cylinder, K140 key. cam is optional, can be used for MS861-2 Performance parameter: Handle load tension capability:≤390N Handle load torque capability: ≤12N.m Maximum static load: 300N
Electronic lock	Electronic lock	
Handle lock	Handle lock	
Cylinder lock	Cylinder lock	
Plane lock	Plane lock	
Rod control lock		

MS861-2H



NEW

RL 3PL IP65

Main material and finish: ZDC housing, handle and shaft;

Application: Open the handle upward quarter-turn opening,

Remark: SUS304 screw,cam can be S1B series or S3B series

Performance parameter:

Handle load tension capability: ≤390N

Handle load torque capability: ≤12N.m

Maximum static load: 300N

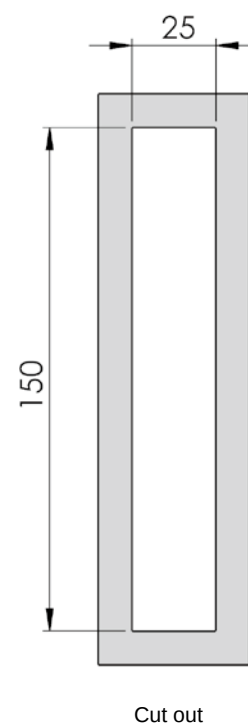
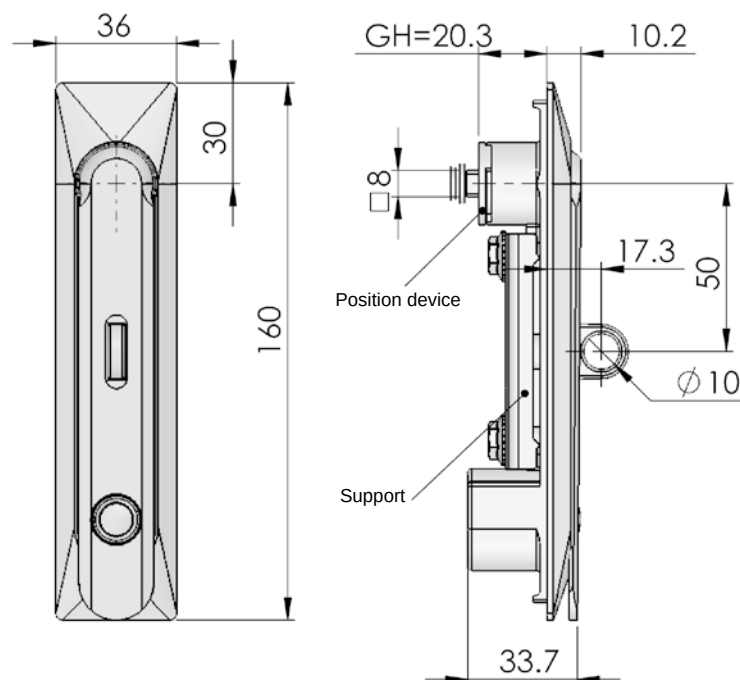
MS861-2H Brass padlock



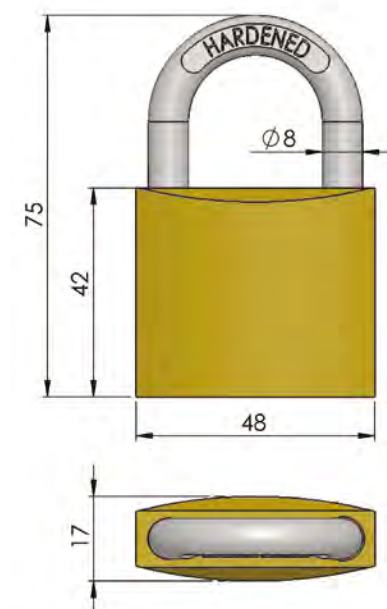
NEW

Main material and surface: Spraying essential oil after polishing on HPB59-1 lock shell,chrome plated steel lock hook;

Remark: S-shape profile cylinder, default key K72-3, Key alike only, with padlock.



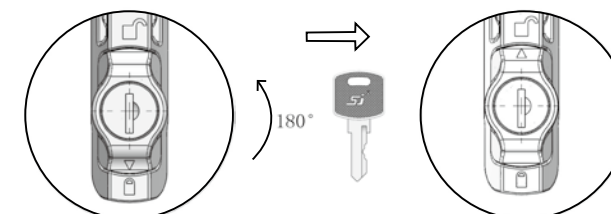
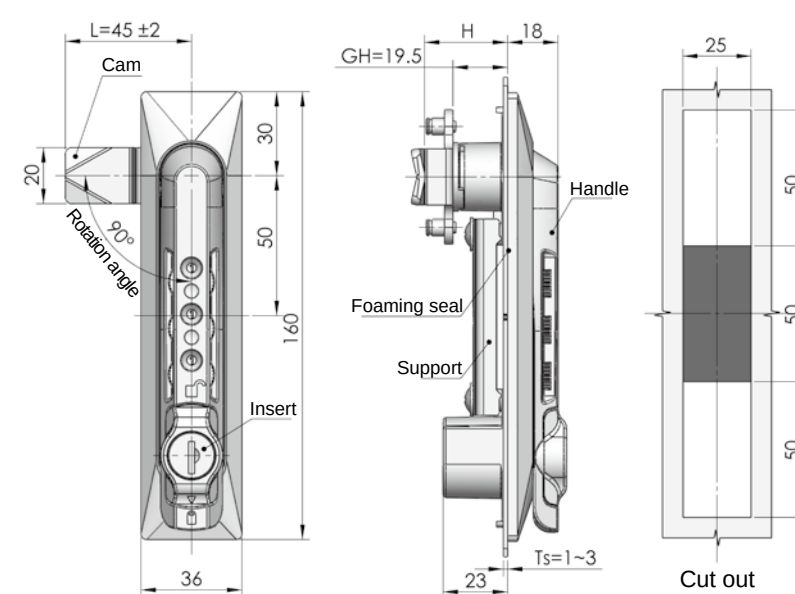
Cut out



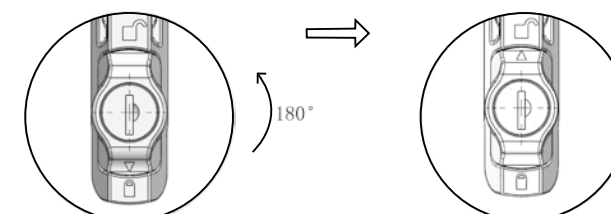
ERP	Description
1118610001	with key
1118610002	without key

ERP

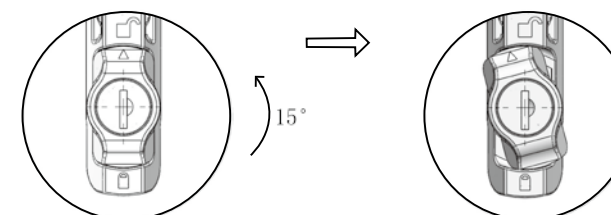
MS861ZXX000001



Use key to open the lock, without password



Enter password to open the lock, open lock with password instead of key, original password: "0,0,0"



Change the password (when it is correct), when knob indicates opening position, anti-clockwise rotation 15 degree to change the password

ERP

MS861N00140001

Remark: Default cam S3B4510 (Optional cam 8*8)

MS861-2A



RL IP54 3PL

Main material and finish: Black PA housing, handle and knob, white zinc-plated steel cam and support

Application: Refer to instruction along with product

Remark: Default key K140

Default cam: 2882451017

Performance parameter:

Handle load tension capability: ≤60N

Handle load torque capability: ≤5N.m

Maximum static load: 300N

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

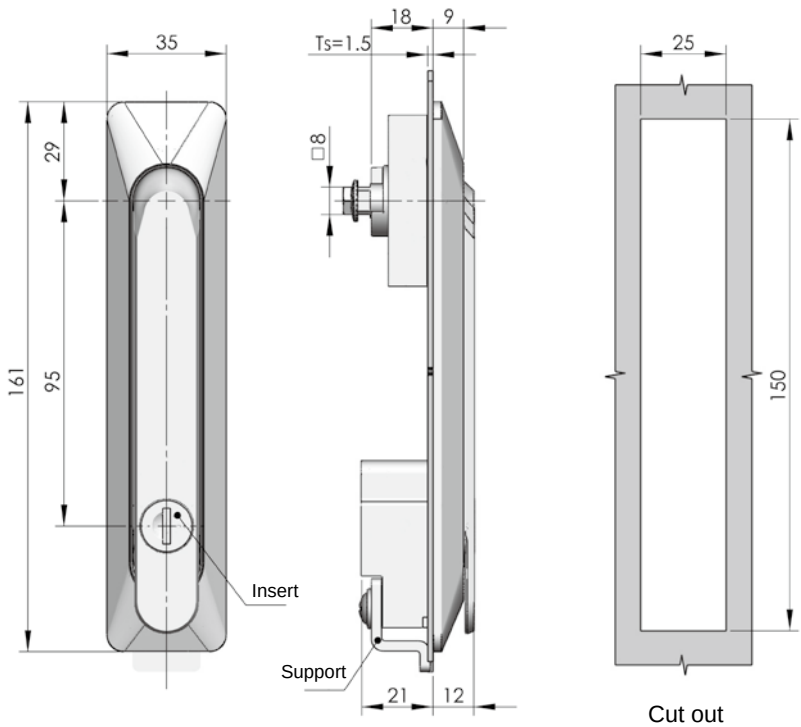
MS861-3



Main material and finish:PA handle, housing, drive box
Application: Quarter-turn opening and close, position device direction to suit RH or LH application;
Remark: Default key K193

Default cam: S1B45Y00002

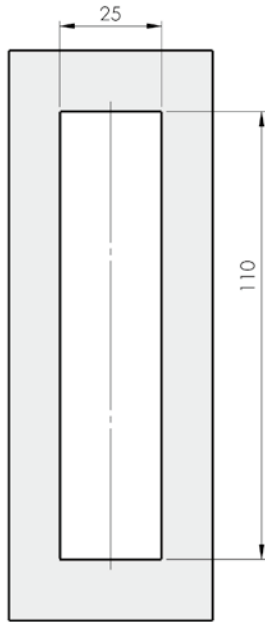
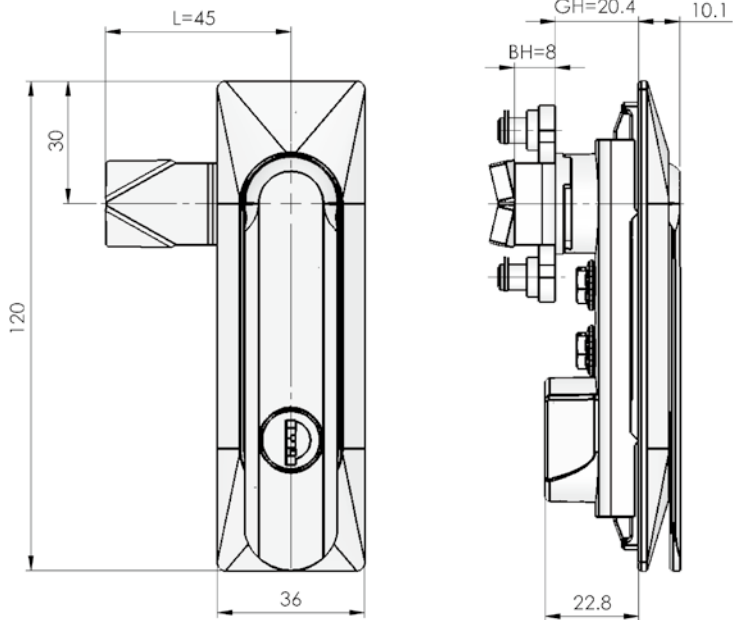
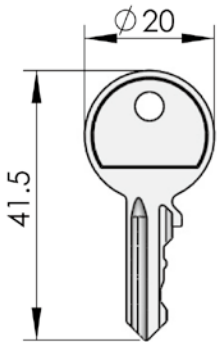
Performance parameter:
Handle load tension capability:≤115N
Handle load torque capability: ≤10N.m
Maximum static load: 220N



ERP MS861N00193004

Remark:default cam S1B4500(optional cam 8*8)

Default key



Cut out

ERP MS861Z1B140062

MS861-4



Main material and finish:Black painting or silvery nanometer painting ZDC handle,housing, zinc plated steel cam and support;
Application: Quarter-turn opening and close, RH or LH application;
Remark: Default key K140

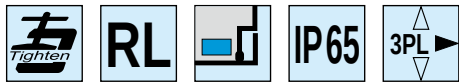
Default cam: S1B45Y00002

Performance parameter :
Handle tension capability:≤350N
Handle torque capability:≤25N.m
Life test: 5000 times open and close, the function is good

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS864-3

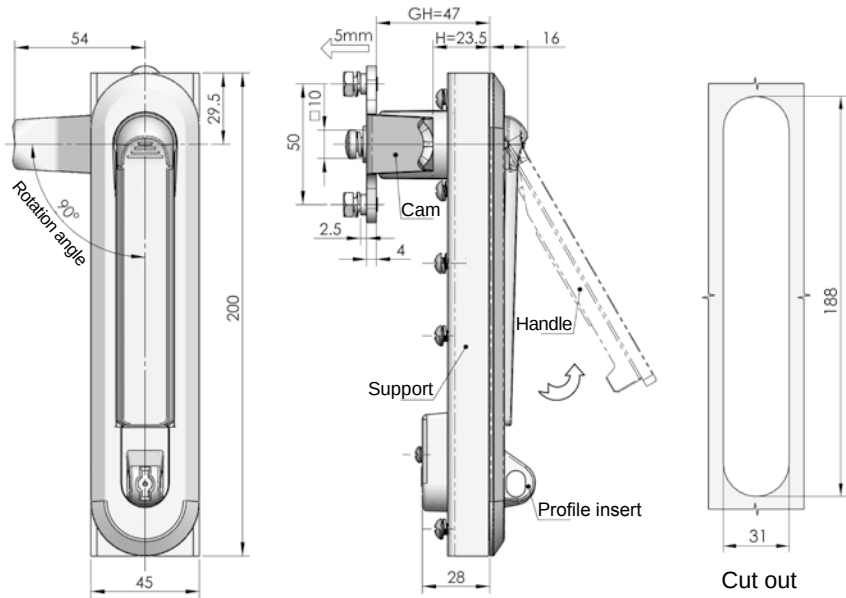


Main material and finish: Black powder coated ZDC housing and handle, stainless steel shaft, white zinc-plated steel cam
Application: Open the handle upward, quarter-turn rotation opening, with function of locking, padlockable
Remark: Default profile insert TC06-1

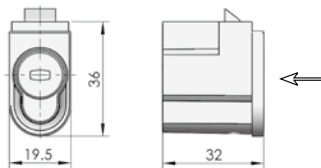
Default cam: 2888643001

Performance parameter:

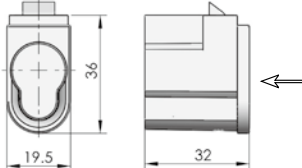
Handle load tension capability: ≤485N
Handle load torque capability: ≤25N.m
Maximum static load: 600N



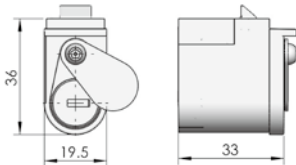
TC04-1(Optional)



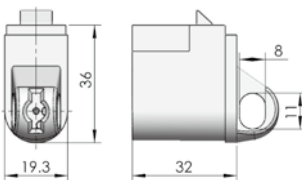
TC04-2(Optional)



TC05-1(Optional)



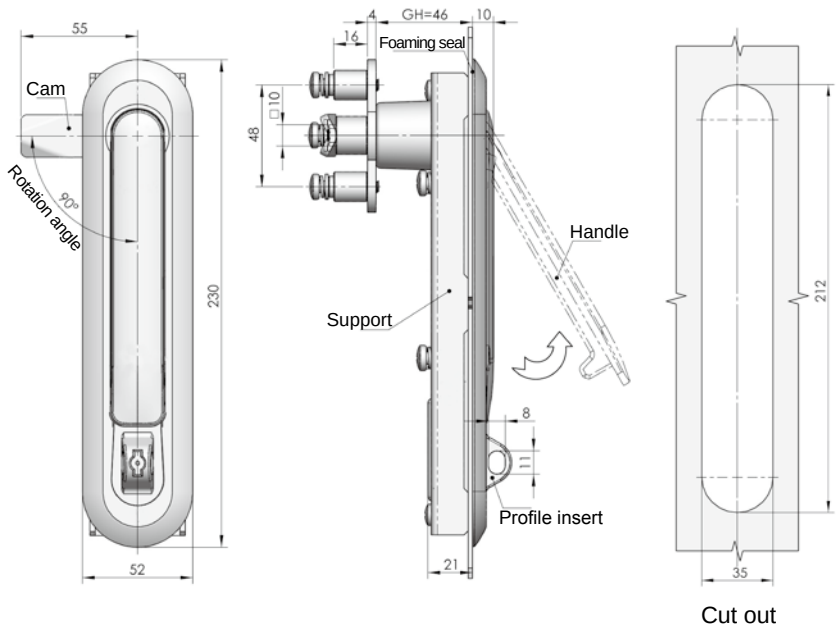
TC06-1(Default)



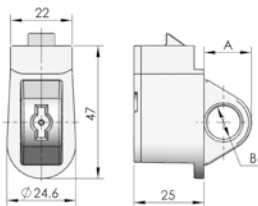
ERP

MS864Z1A290027

Remark: Default cam S3C5424



TC06-2(Optional)



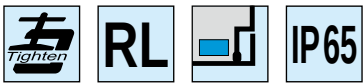
Profile insert	A	B
TC06-2	17	Ø12
TC06-3	26.5	Ø14
Default TC06-4	12	Ø8x11

ERP

MS864Z1A290015

Remark: Default cam S1C5500

MS864-3A



Main material and finish: Black powder coated ZDC housing and handle, stainless steel shaft, white zinc-plated steel cam
Application: Open the handle upward, quarter-turn opening, with function of locking, padlockable
Remark: Default profile insert TC06-4

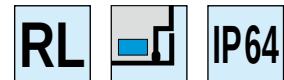
Default cam: S1C55Y00001

Performance parameter:

Handle load tension capability: ≤550N
Handle load torque capability: ≤45N.m
Maximum static load: 600N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

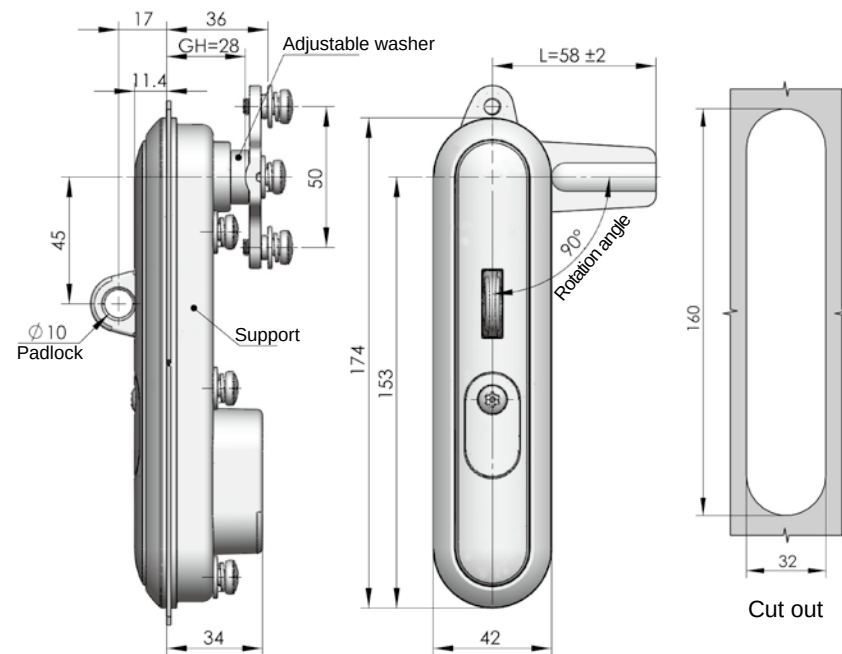
MS864-4



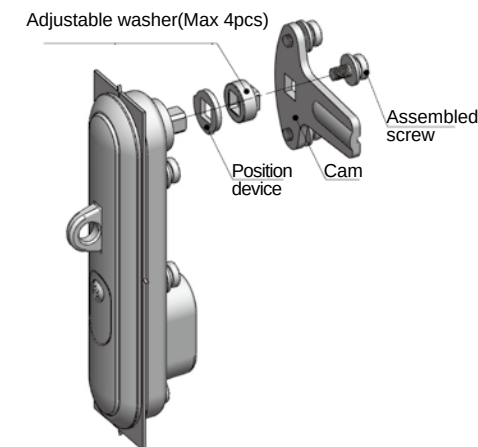
Main material and finish: Black painted ZDC housing and handle (high salt mist resistance)
Application: Quarter-turn opening or closing, position device direction to suit RH or LH application, padlockable
Remark: Default profile insert TC03-5

Default cam: 2888648002

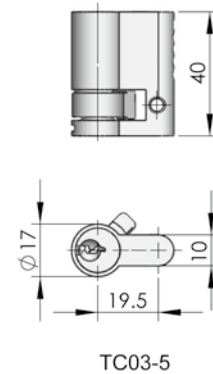
Performance parameter:
Handle tension capability: ≤2500N
Handle torque capability: ≤21N.m
Remark: The tighten cap is good for protecting the cylinder
Maximum static load : 600N



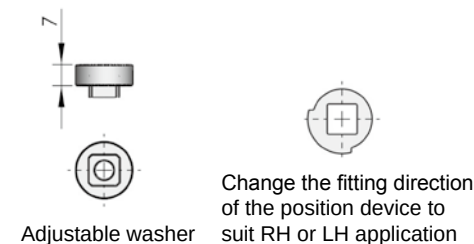
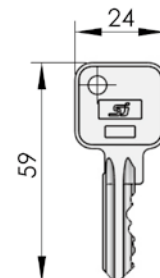
Exploded sketch



Default profile insert

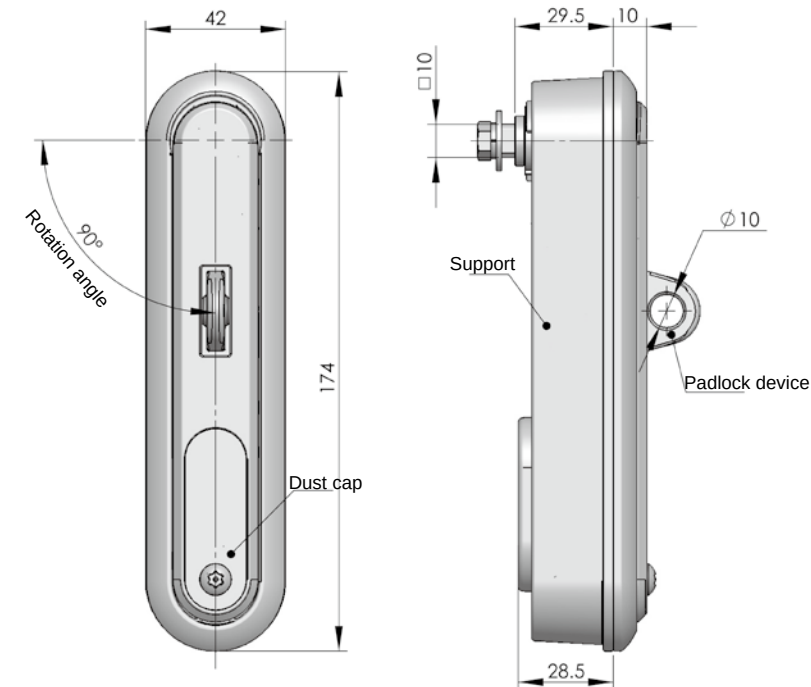


Default key

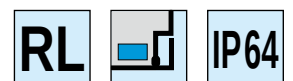


	MS864-4-3D with padlock	MS864-4-3D-P without padlock
ERP	MS864Z2E142001	MS864Z2EE03003

Remark: Default key S3C58Y00 (Optional 10*10 cam)



MS892-1A

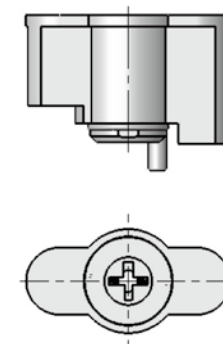


Main material and finish: Matt black powder coated ZDC housing and handle
Application: 90° rotation to open or close, position device direction to suit RH or LH application, padlockable

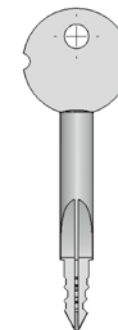
Performance parameter:

Handle tension capability: ≤690N
Handle torque capability: ≤45N.m
Remark: The tighten cap is good for protecting the cylinder
Maximum static load : 600N

Default profile



Default Key



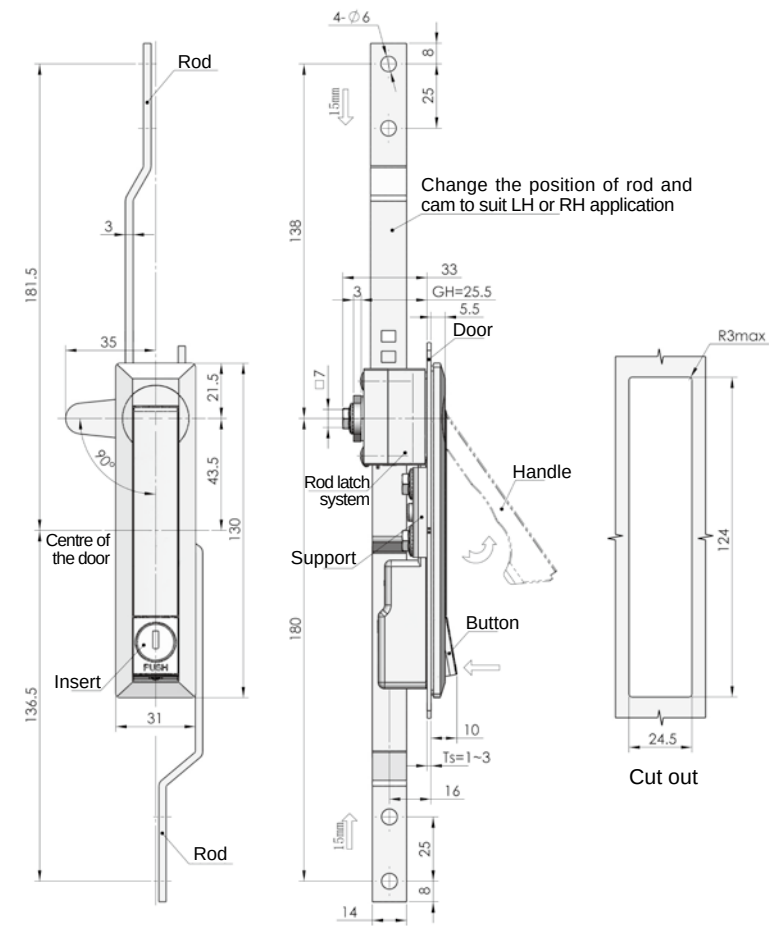
ERP	MS892Z1AE02001
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Remark: ERP excludes Cam (Optional cam 10*10)

ROD CONTROL LOCK SERIES



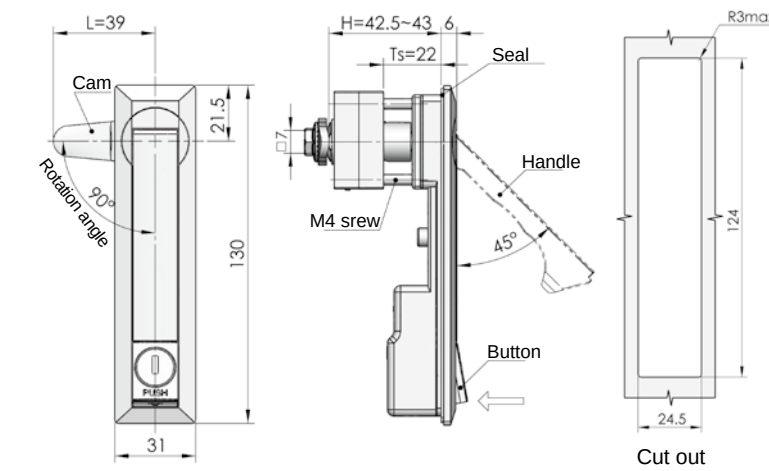
MS731-1



	Black painted housing, handle	Nanometer painted housing, handle
ERP	MS731Z2A060001	MS731Z2B060001

Remark: Default cam S1A3500

MS731-2



	Black painted housing, handle	Nanometer painted housing, handle
ERP	MS731Z2A060003	MS731Z2B060003

Remark: Default cam S1A3900

MS731-1



MS731-2



Main material and finish: ZDC housing, handle, button and rod latch, white zinc-plated steel cam and rod

Application: 90 degree rotation to open or close

Remark: Default key K060

Performance parameter:

Handle load tension capability: ≤350N

Handle load torque capability: ≤25N.m

- Accessories
- Electronic lock
- Handle lock
- Cylinder lock
- Plane lock
- Rod control lock
- Panel lock
- Toggle and hook
- Handles
- Door stop
- Hinge
- Seal gasket

MS731-3



MS731-4



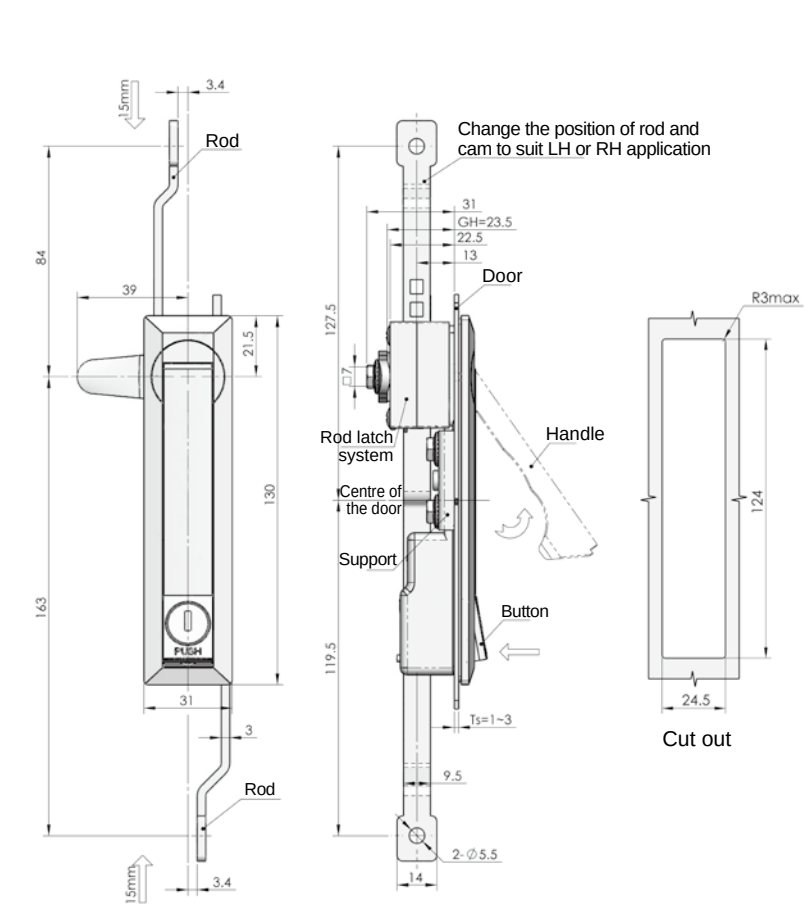
Main material and finish: ZDC housing, handle, button and rod latch, white zinc-plated steel cam

Application: 90 degree rotation to open or close

Remark: Default Key K060

Performance parameter:
Handle load tension capability: $\leq 350\text{N}$
Handle load torque capability: $\leq 25\text{N.m}$

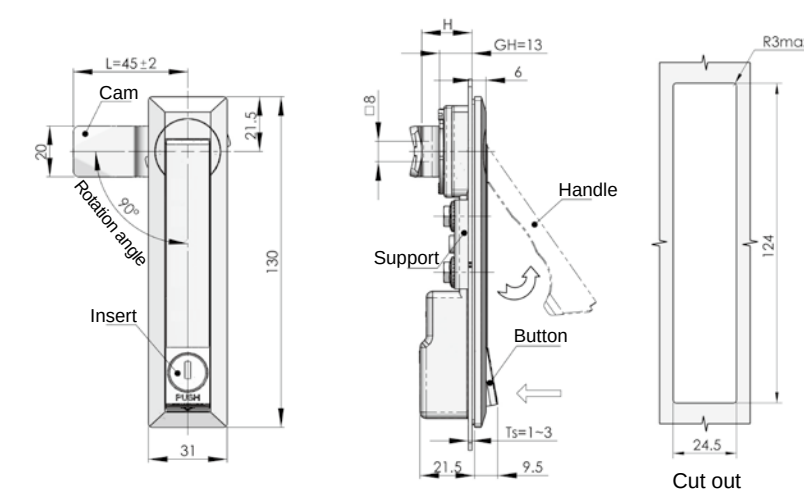
MS731-3



	Black painted housing, handle	Nanometer painted housing, handle
ERP	MS731Z2A060016	MS731Z2B060005

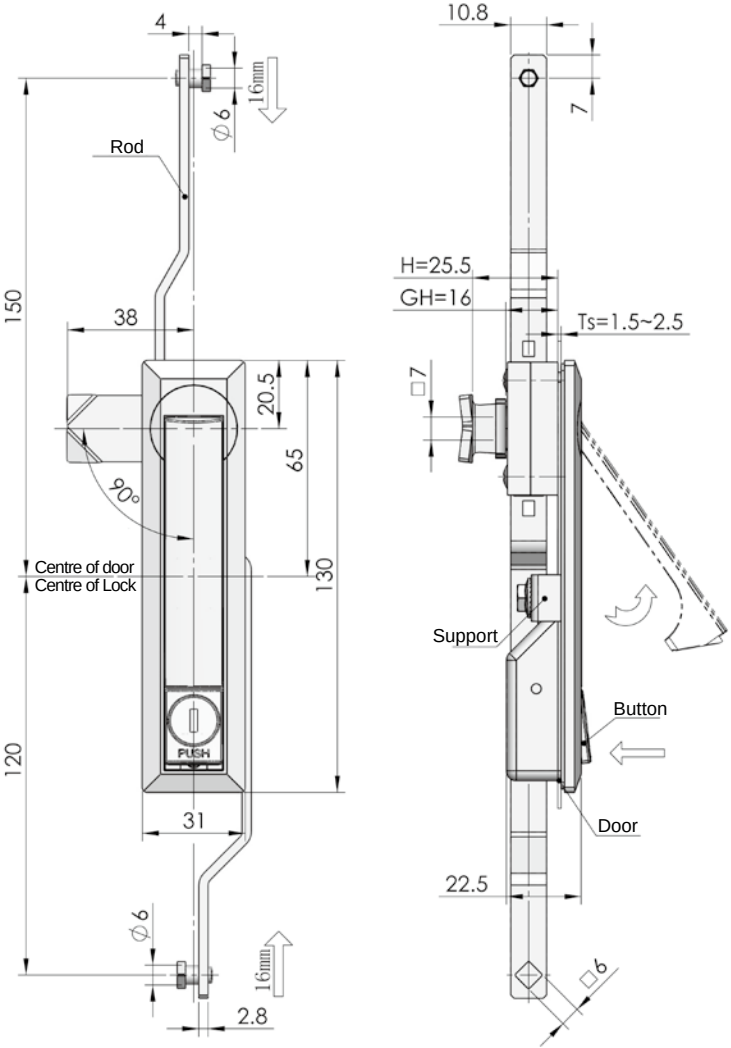
Remark: Default cam S1A3900

MS731-4



	Black painted housing, handle	Nanometer painted housing, handle
ERP	MS731Z2B060027	MS731Z2B060023

Remark: Default cam S1B4507 (Optional cam 8*8)



Specification	Model	ERP
LH	MS731-6-Z	MS731Z2B060007
RH	MS731-6-Y	MS731Z2B060008

Remark: Default cam S1A3810

MS731-6



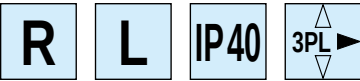
Main material and finish: Nanometer -painted ZDC housing, handle, button and support, white zinc-plated steel cam and rod latch, steel rod

Application: Insert 180 degree rotation to open, press the button, the handle bounce automatically, rotation handle to open or close the door plate

Remark: Default key K060

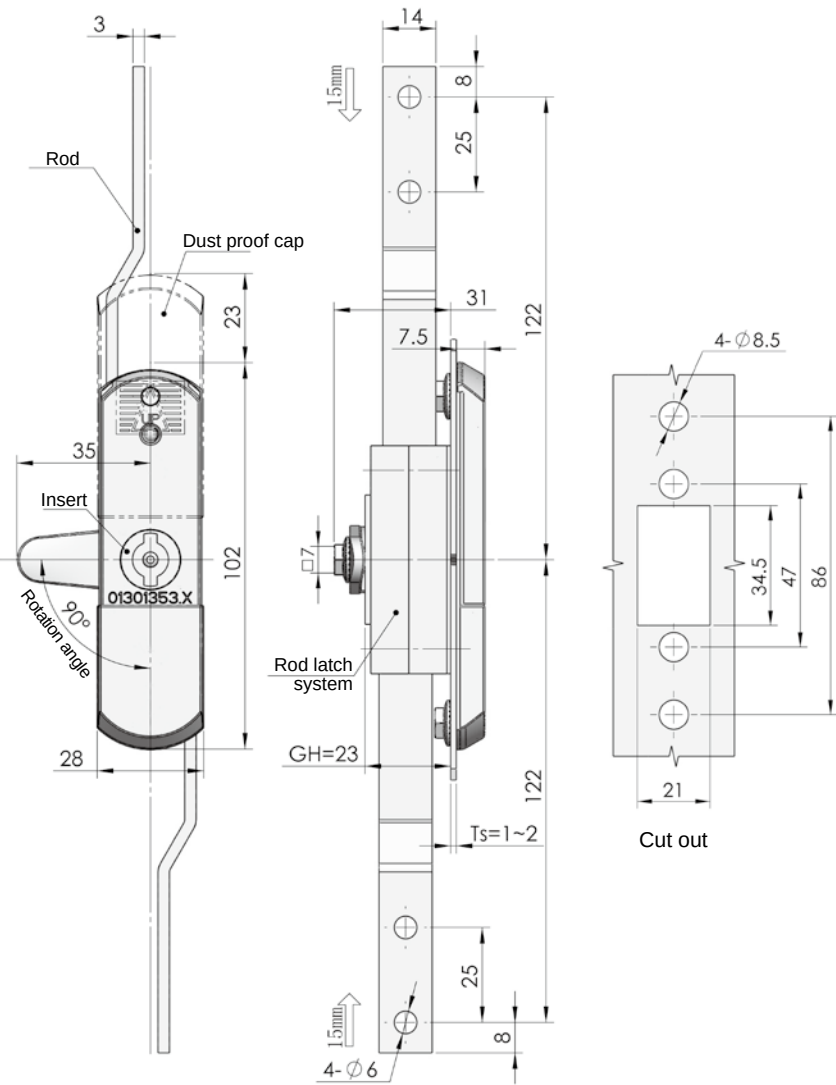
Performance parameter:
Handle load tension capability: $\leq 350\text{N}$
Handle load torque capability: $\leq 25\text{N.m}$

MS820



Main material and finish: Nanometer painted ZDC panel, dust-proof cap and insert, white zinc-plated steel cam and rod latch
Application: Quarter-turn rotation to open or close
Remark: Optional key K15-1

Performance parameter:
input torque: ≤9N.m



Remark: Keep rod and rod latch in place while removing the cam and insert, rotating the rod latch in 180° to suit RH or LH application

Specification	Model	ERP
Hooked	MS820-1	MS820Z2BT03001
Triangular 8mm	MS820-3	MS820Z2BT04001
Cross insert	MS820-4	MS820Z2BE02001

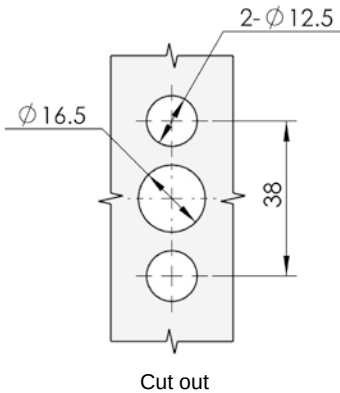
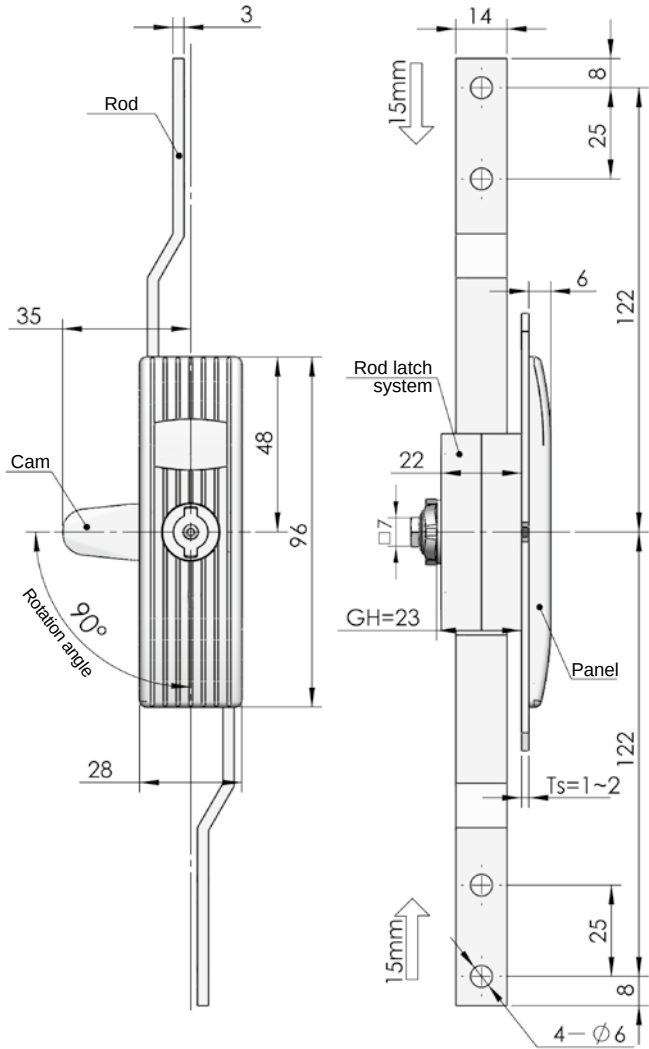
Remark: Default cam S1A3500

MS820-1A



Main material and finish: Nanometer painted ZDC insert and ABS panel, white zinc-plated steel cam and rod latch
Application: Quarter-turn rotation to open or close
Remark: Optional key K15-1

Performance parameter:
input torque: ≤3N.m



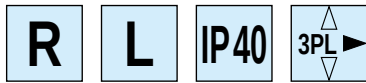
Remark: Keep rod and rod latch in place while removing the cam and insert, rotating the rod latch in 180° to suit RH or LH application

ERP	MS820N2BT03001
-----	----------------

Remark: Default cam S1A3500

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS821

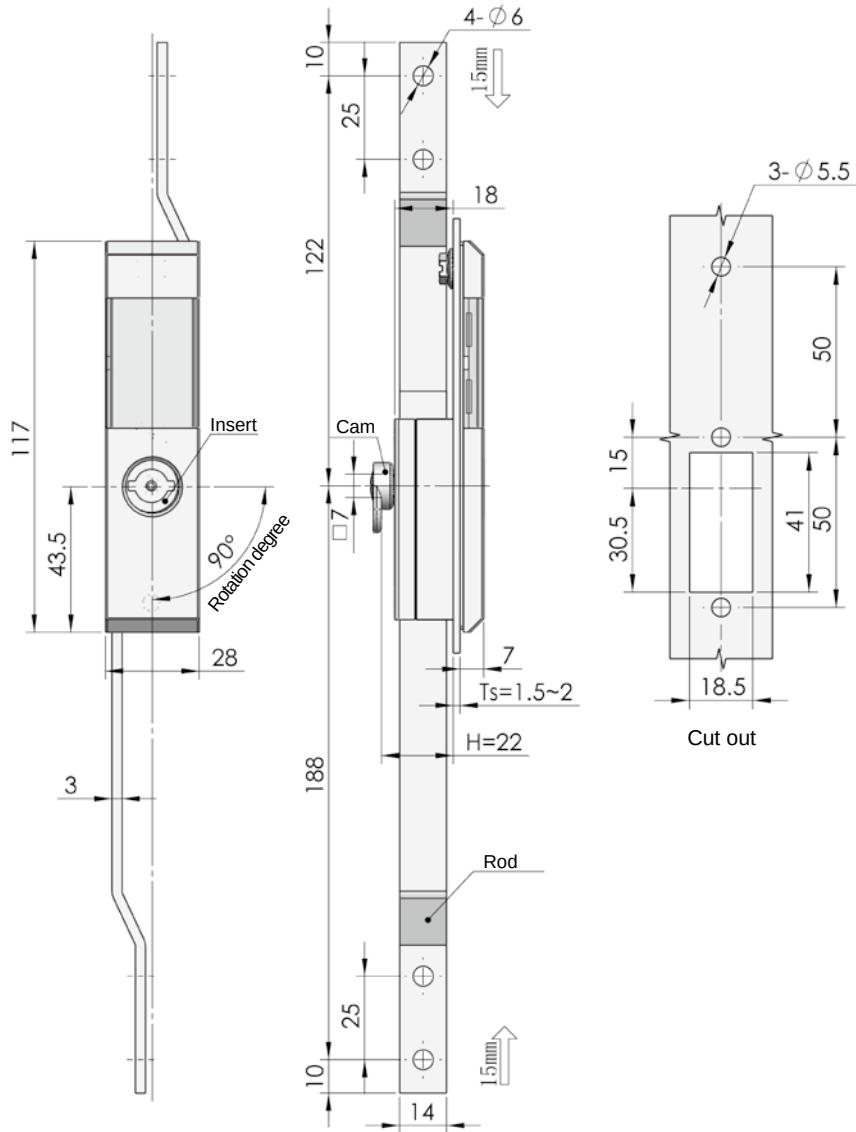


Main material and finish: Bright chrome plated ZDC insert, yellow gray ABS panel, white zinc-plated steel cam and ZDC rod latch, steel rod

Application: Insert quarter-turn rotation combines with rod latch system to open or close

Remark: Optional key K15-1

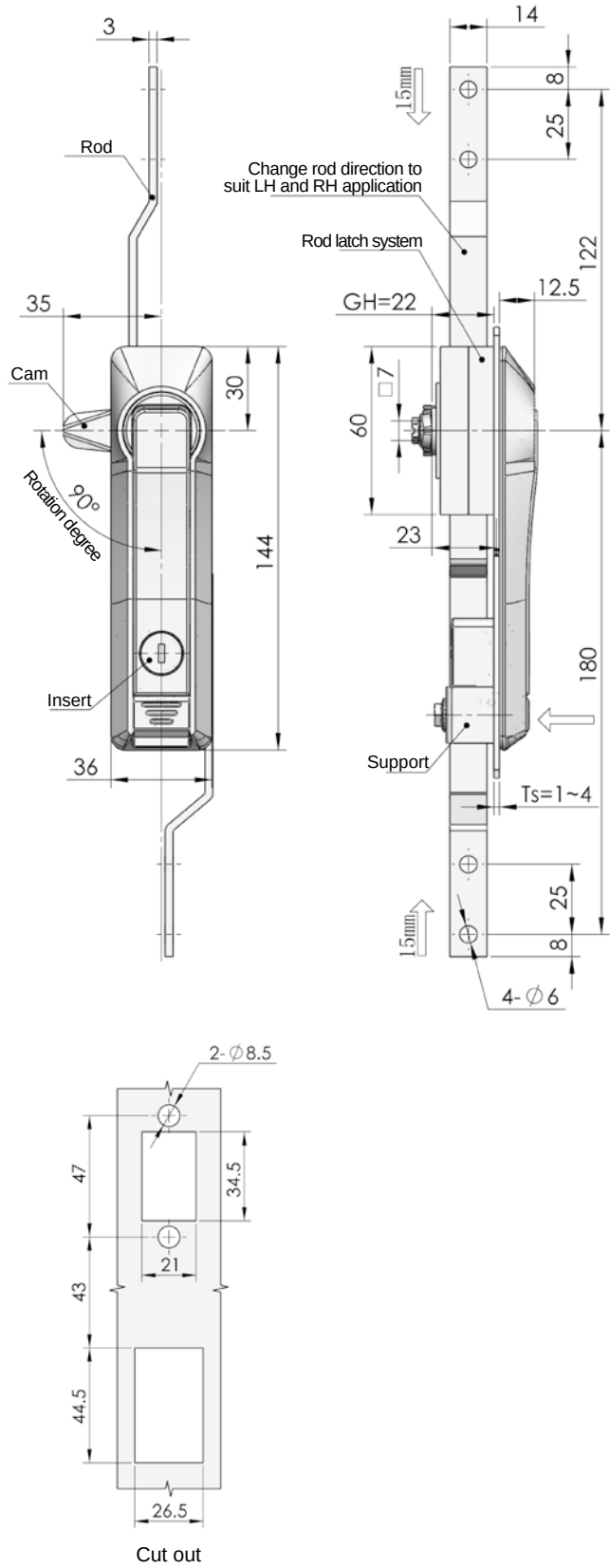
Performance parameter:
input torque: $\leq 3\text{N.m}$



Remark: Change rod and cam position to suit RH or LH application

ERP

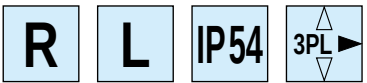
MS821N00T01001



	Matt black powder coated	Nanometer
ERP	MS828Z1A100001	MS828Z2B100017

Remark: Default cam S1A3500

MS828



Main material and finish: Nanometer painted ZDC housing, handle, and button, ZDC support, white zinc-plated steel cam and rod latch, steel rod

Application: Insert 180 degree rotation to open, press the button, the handle bounce automatically, handle turn combines with rod latch system to open or close

Remark: Default key K100

Performance parameter:
Handle load tension capability: $\leq 340\text{N}$
Handle load torque capability: $\leq 28\text{N.m}$

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket



Main material and finish: Plastic housing with metal part,Black painted ZDC handle, shaft, button, white zinc plated ZDC rod latch system, white zinc plated steel rod and cam

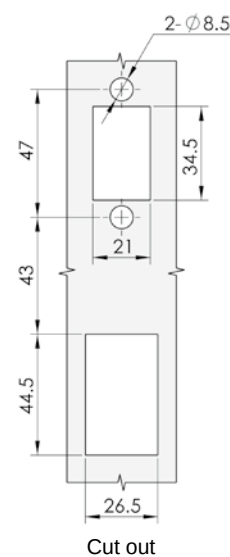
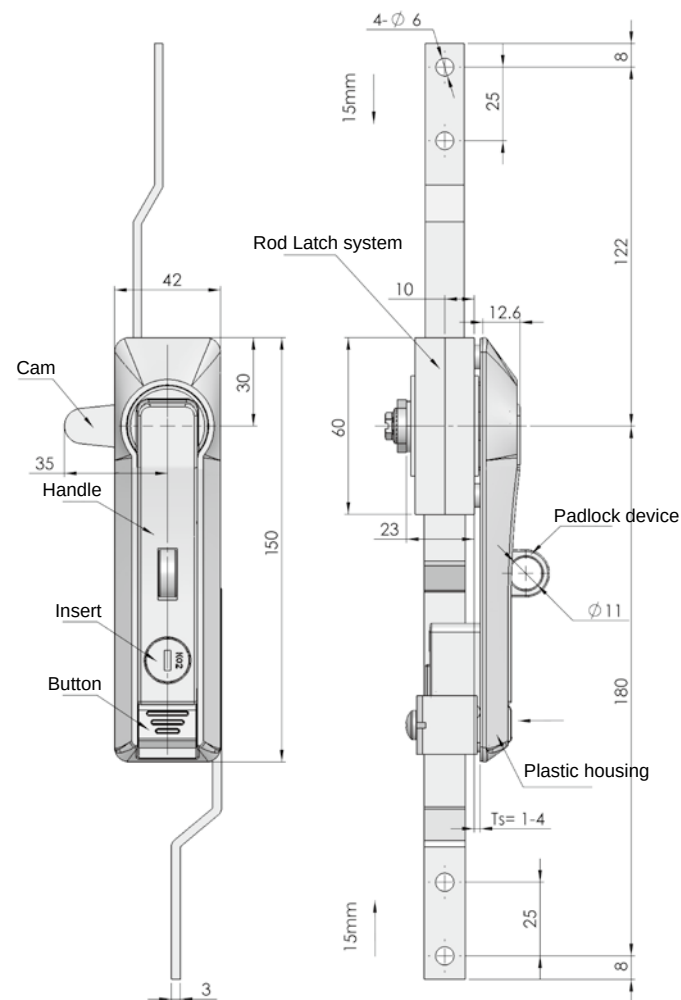
Remark: Default key K020

Default cam: S1A35Y00001

Performance parameter:

Handle load tension capability:≤250N

Handle load torque capability: ≤15N.m



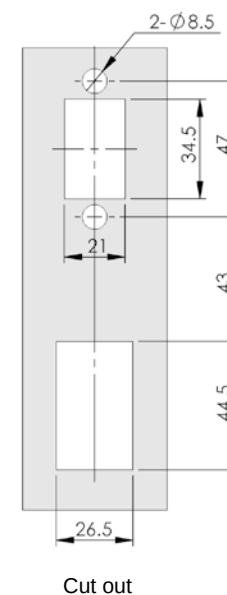
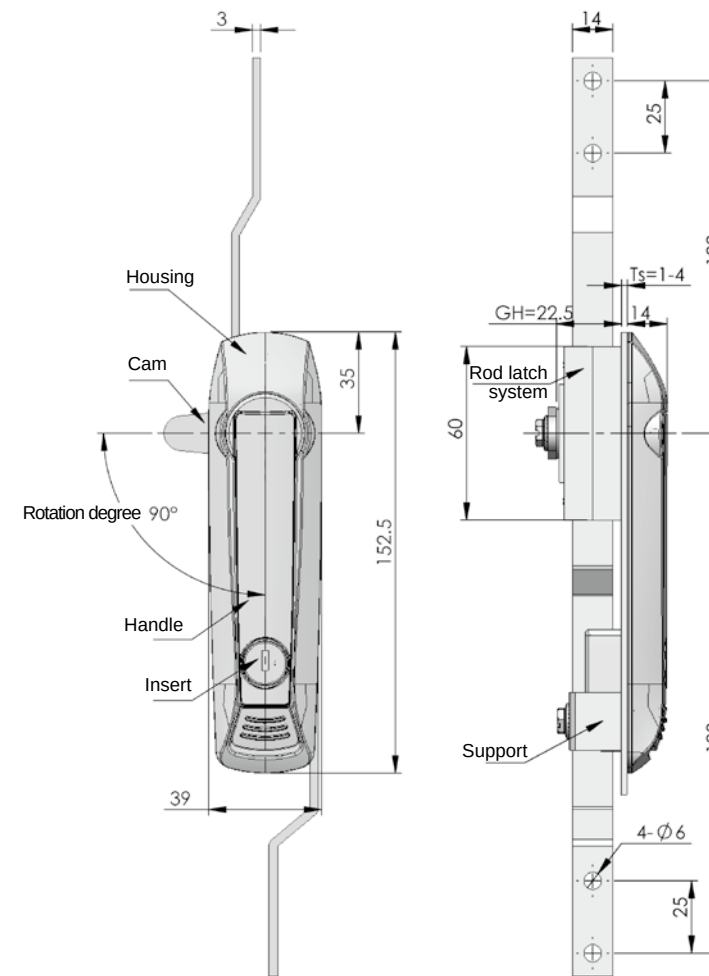
Remark: MB1 series rod latch system

MS828-1F advantage compare with MS828

- 1:Plastic and zinc base alloy inserts, with a certain degree of strength.
- 2: Locking part of the base front lock makes locking function must improve the reliability.
- 3:Design structure linked to the reserved zone, the user can choose two forms with padlock and without padlock.

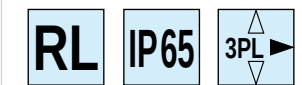
	MS828-1F Without padlock device	MS828-1F-P With padlock device
ERP	MS828N00100001	MS828N00200002

Remark: Default cam S1A3500



ERP

MS828Z2B020008



Main material and finish: Nanometer painted or black painted ZDC housing, handle,and button,white zinc-plated steel cam, press plate and rod latch,

Application: Insert 180° degree rotation to open, press the button, the handle bounce automatically, handle turn combines with rod latch system to open or close,padlock optional,LH and RH available.

Remark:Default key K10

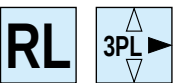
Performance parameter:

Handle load tension capability:≤250N

Handle load torque capability:≤30N.m

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS828-9

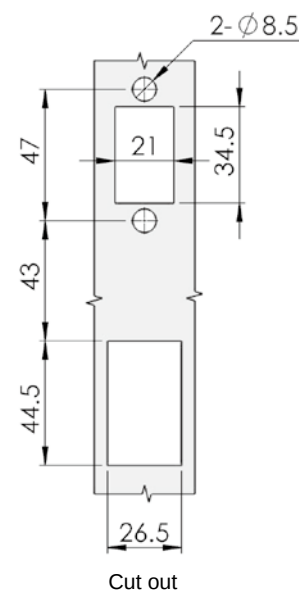
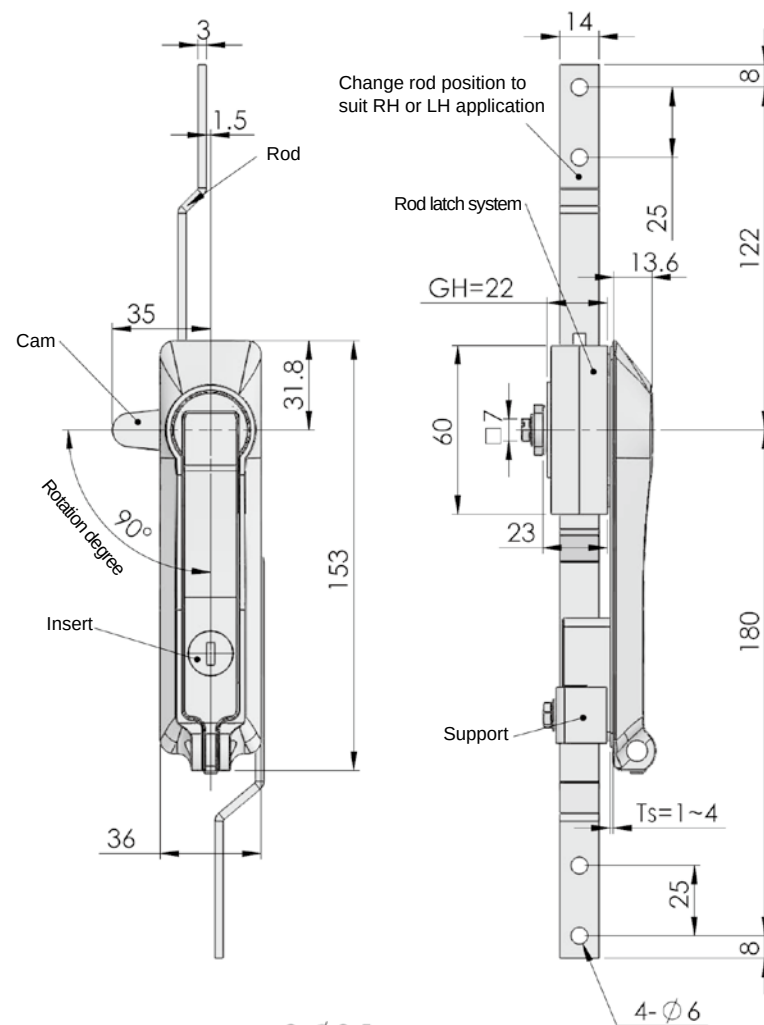


Main material and finish: Nanometer painted ZDC housing, handle, serpentine lock, Q235 press plate, Carbon steel, white zinc-plated steel cam and rod latch, ZDC support, steel rod

Application: Cylinder 180 rotation to open, press the button, the handle bounce automatically, handle turn combines with rod latch system to open or close

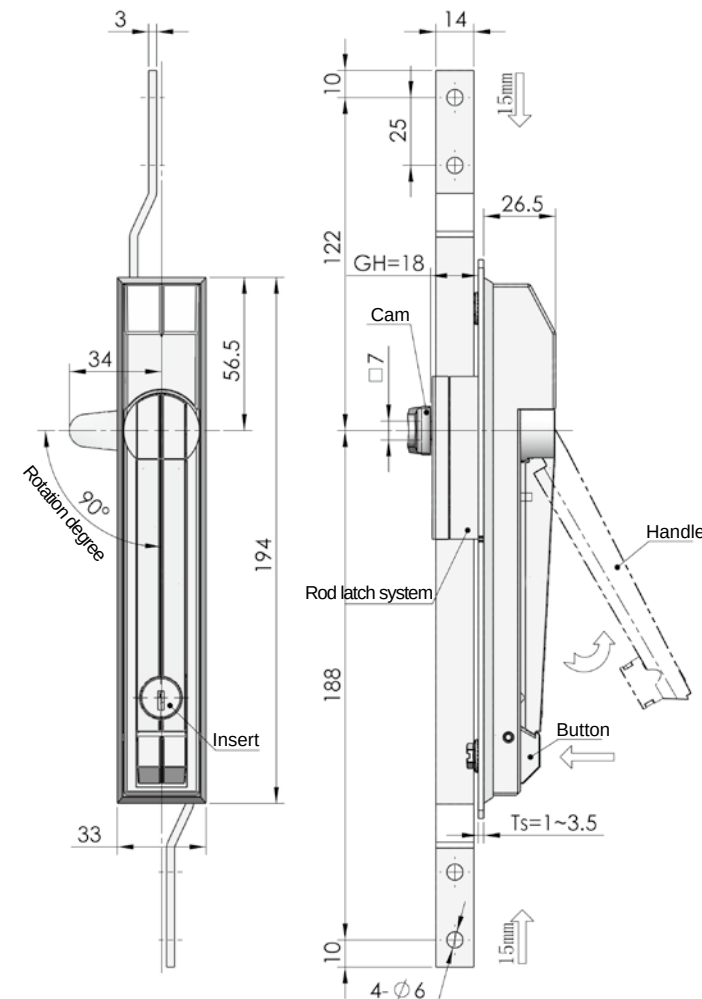
Remark: Default key K72-3

Performance parameter:
Handle load tension capability: $\leq 340\text{N}$
Handle load torque capability: $\leq 28\text{N.m}$



ERP

MS828Z2B720002



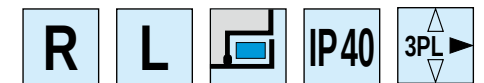
Remark: Change rod and cam position to suit RH or LH application

ERP

MS829Z1E060001

Remark: Default cam S1A3405

MS829

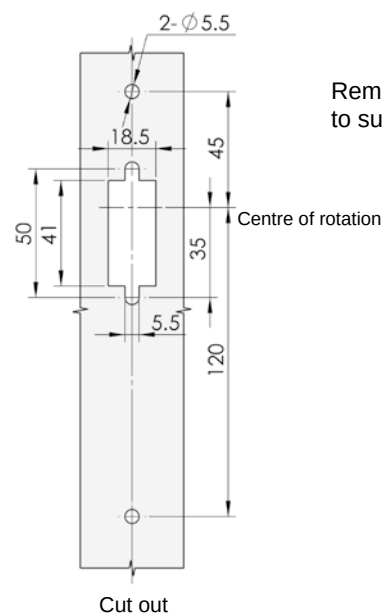


Main material and finish: Yellow gray powder coated ZDC housing, black powder coated ZDC handle and button, white zinc plated steel cam and rod latch

Application: Handle quarter-turn combines with rod latch system to open or close

Remark: Default key K060

Performance parameter:
Handle load tension capability: $\leq 240\text{N}$
Handle load torque capability: $\leq 20\text{N.m}$



Centre of rotation

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

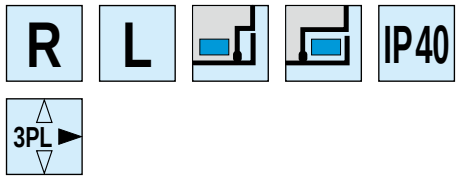
Hinge

Seal gasket

MS830



MS830-3

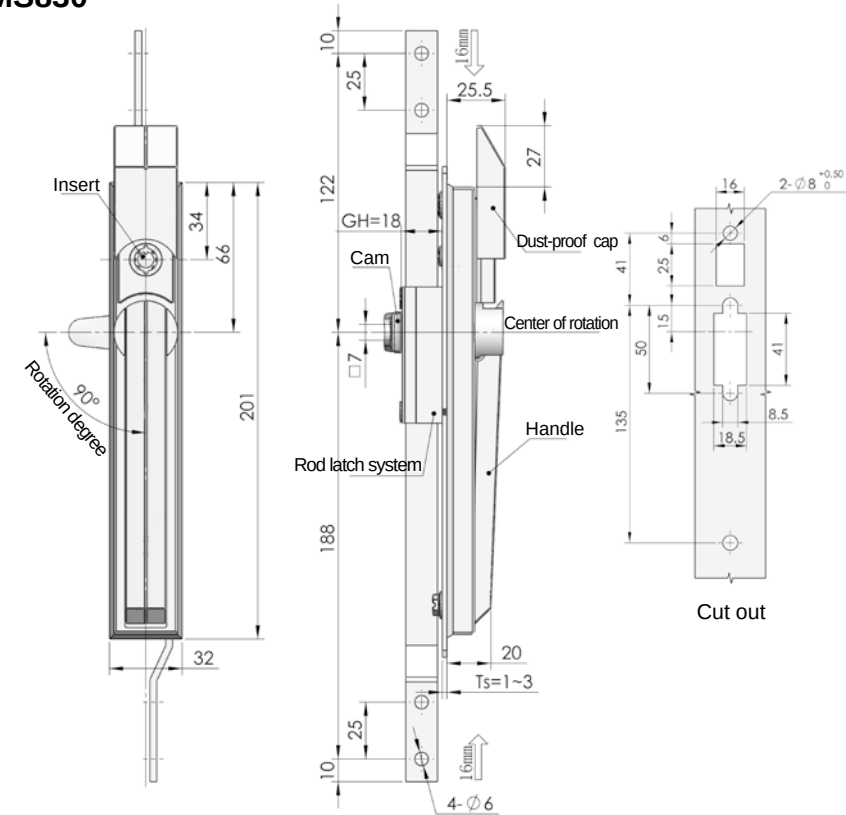


Main material and finish: ZDC housing, handle, and dust-proof cap, white zincplated steel cam and rod-latch
Application: Handle quarter-turn combines with rod latch system to open or close
Remark: MS830 default key K580
MS830-3 default key K140

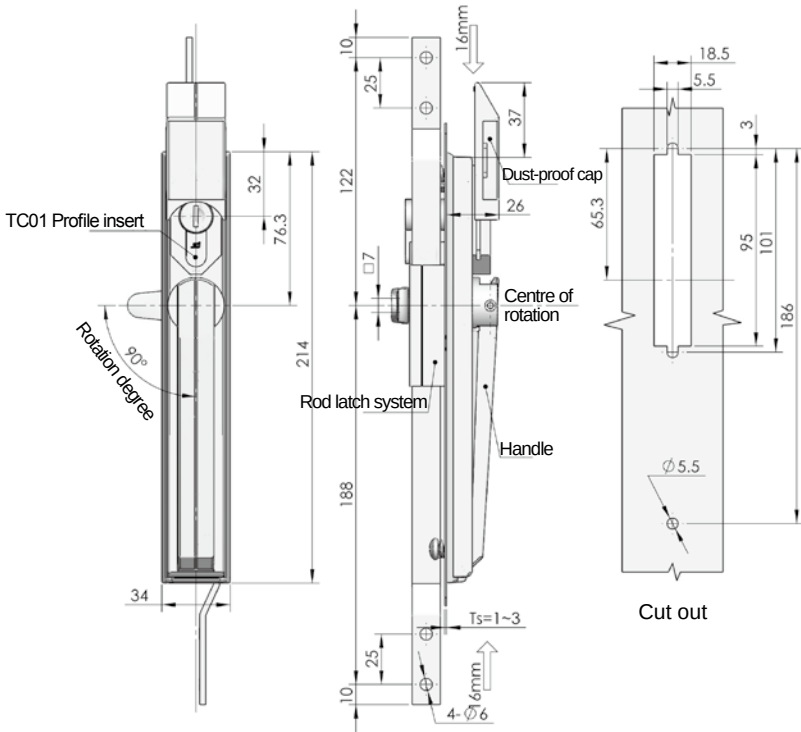
Performance parameter:

MS830:
Handle load tension capability: $\leq 225\text{N}$
Handle load torque capability: $\leq 14\text{N.m}$
MS830-3:
Handle load tension capability: $\leq 325\text{N}$
Handle load torque capability: $\leq 20\text{N.m}$

MS830



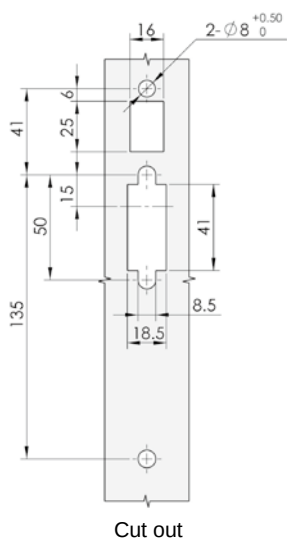
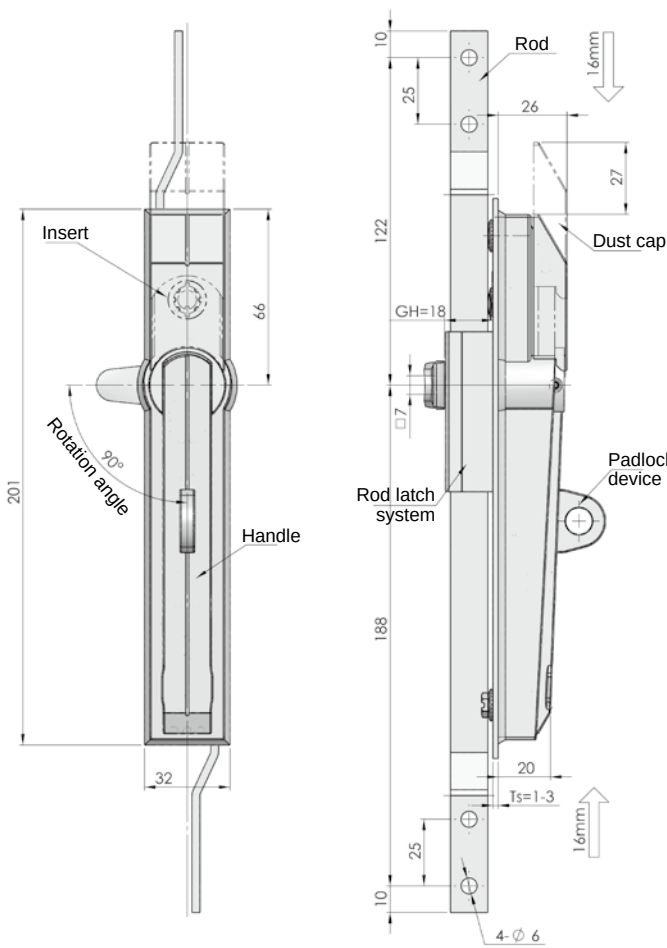
MS830-3



Remark: Change rod and cam position to suit RH or LH application

	MS830	MS830-3
ERP	MS830Z1EE04001	MS830Z2B140003

Remark: Default cam S1A3500



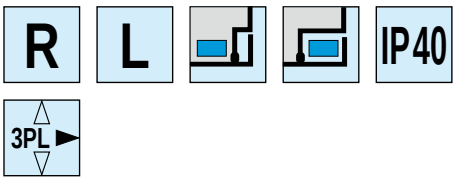
The advantage of MS830-6 when compare with MS830

1. Promote the reliability of latch function and theft-prevent function
2. Handle can bounce after open the lock

Specification	Model	ERP
with padlock device, insert with self-reset function	MS830-6-2P	MS830Z2BE04031
without padlock device, insert with self-reset function	MS830-6-2	MS830Z2BE04030
with padlock device, insert without self-reset function	MS830-6-1P	MS830Z2BE04023
without padlock device, insert without self-reset function	MS830-6-1	MS830Z2BE04022

Remark: Default cam S1A34Y05001

MS830-6

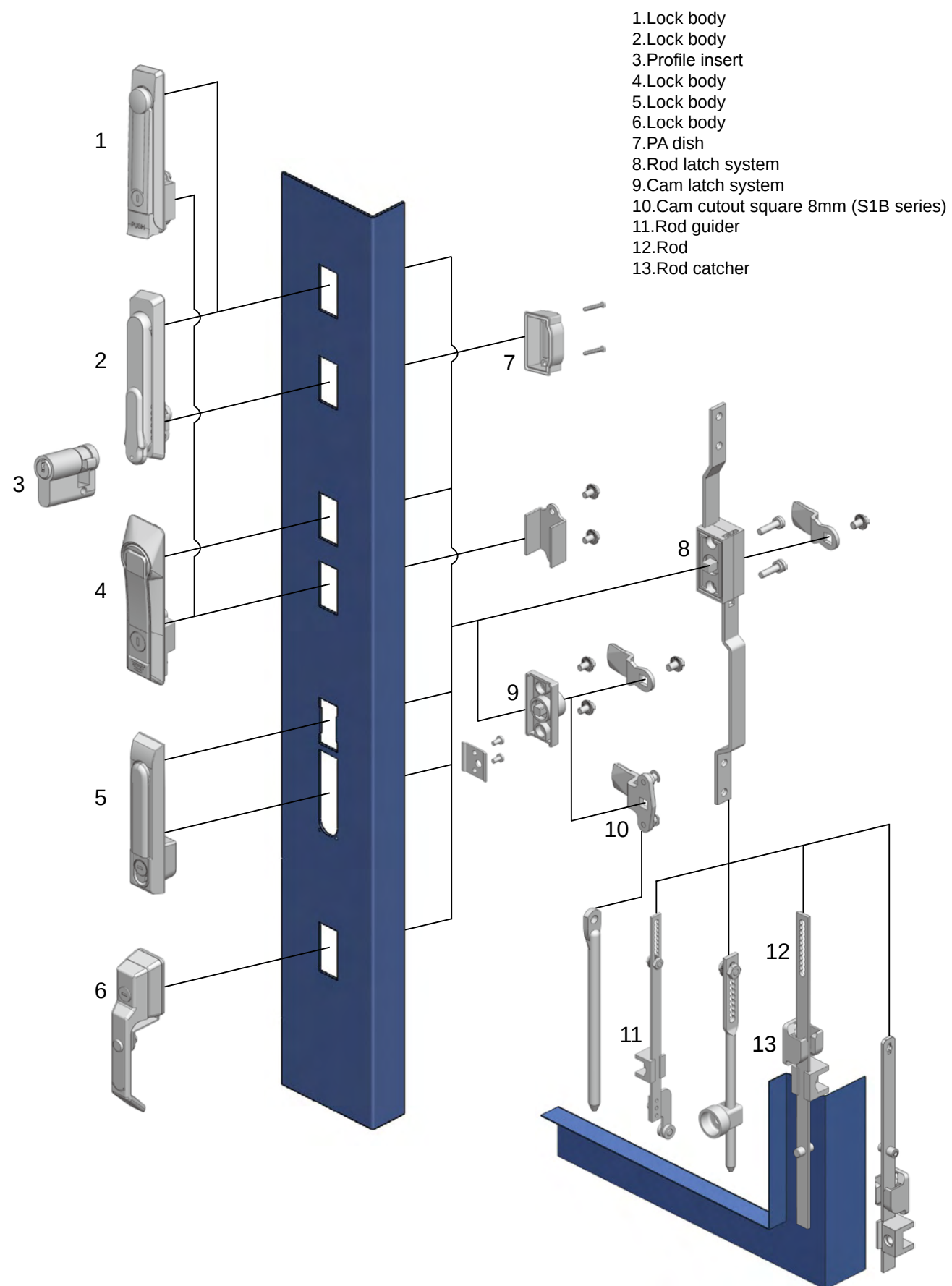


Main material and finish: Nanometer-painted ZDC housing and dust cap, black painting ZDC handle and shaft, ZDC rod latch, steel rod, cam and connection
Remark: Default K580 key

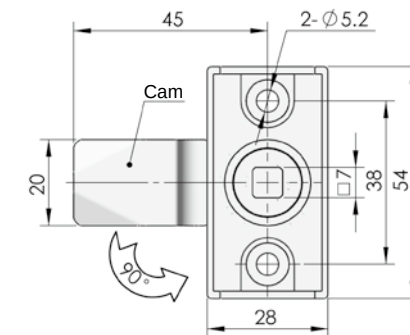
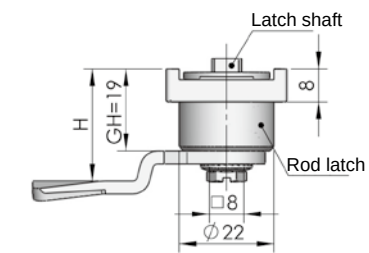
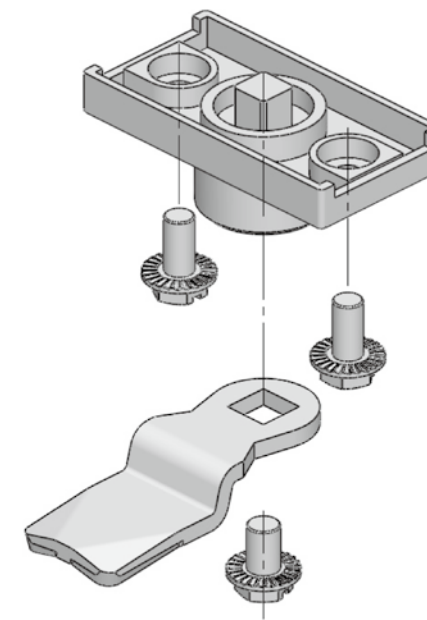
Default cam: S1A34Y05001

Performance parameter:

Handle load tension capability: $\leq 315\text{N}$
Handle load torque capability: $\leq 22\text{N.m}$

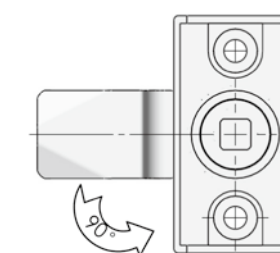


Cam latch system Mb90



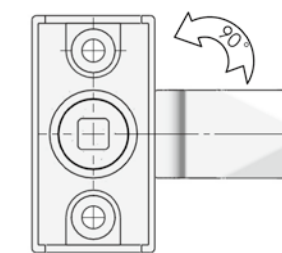
Remark: Default rod latch system, closing position, quarter-turn rotation, cam cutout square 8mm, optional cam series S1B, S2B, S3B, detailed cam list on P007
Default one-point cam S1B4507, H=19+7, length 45
Default three-point cam S3B4510, H=19+10

RH and LH application example

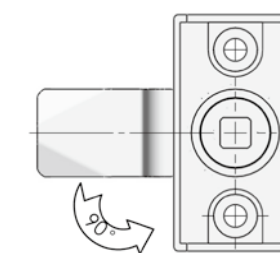


RH, open from right rotation with handle

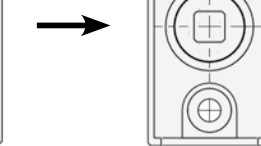
Keep cam and rod latch system in place while rotating the rod latch system in 180°



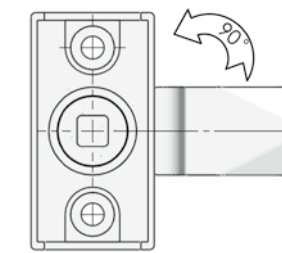
LH, open from left rotation with handle



RH, open from right rotation with handle

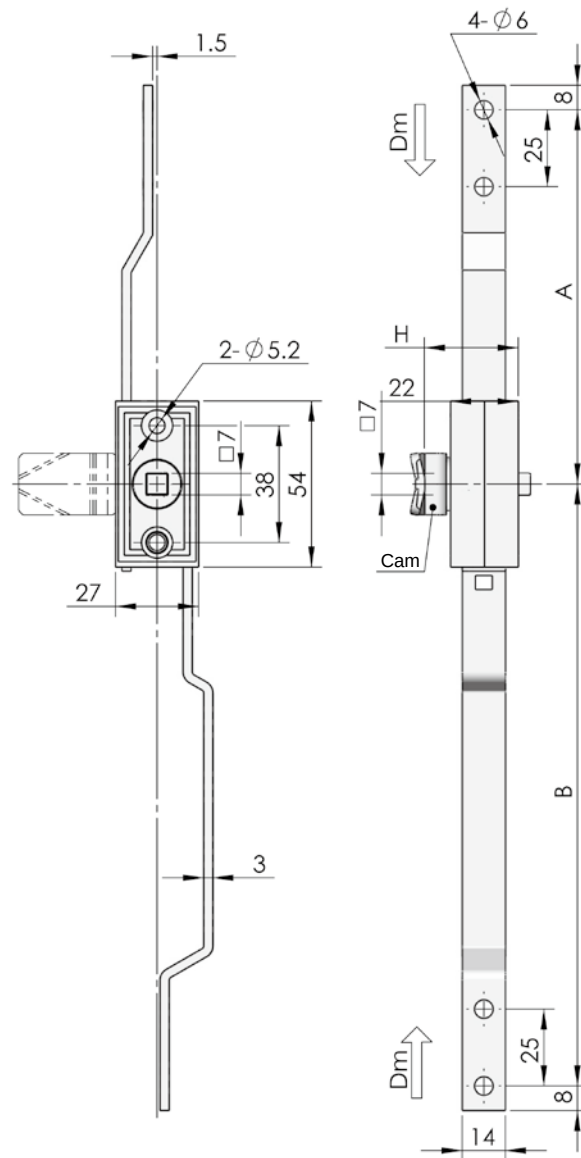


Rotate shaft 90 degree, remove the cam and assemble it on the right side



LH, open from left rotation with handle

Mb0 Series
Mb2 Series

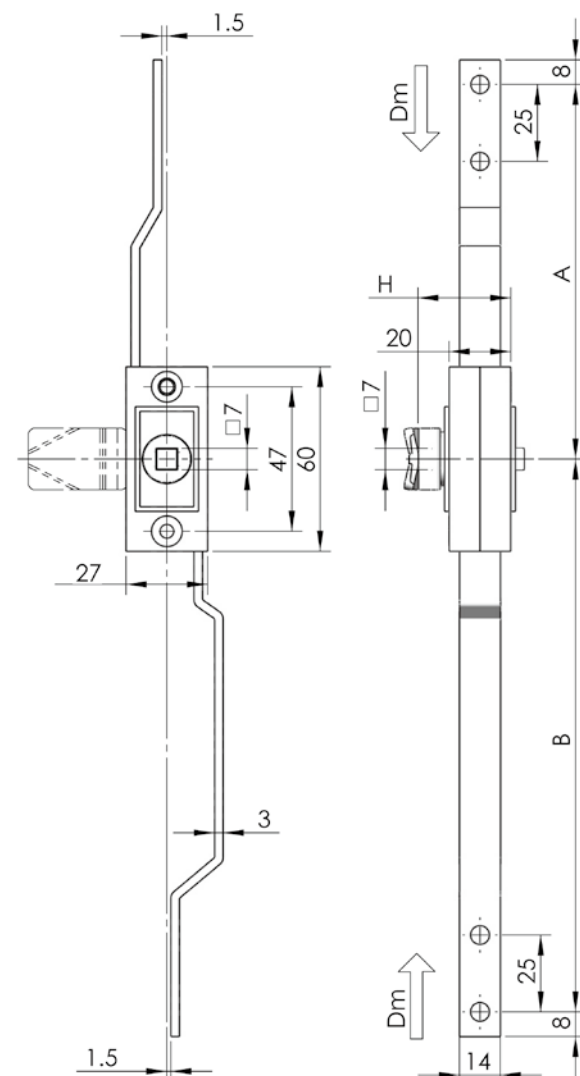


Remark: Without rod latch system, use for seal door-outside, cam cutout 7mm, optional cam S1A cam series, see detailed cam list on P007. Default cam S1A3500, H=GH, length 35.
Keep rod and rod latch in place, remove the cam and insert, and rotate rod latch system in 180 degree to suit RH or LH application

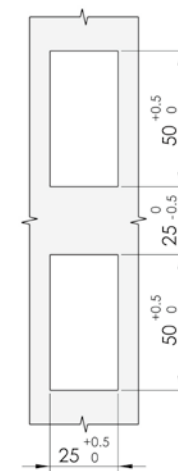
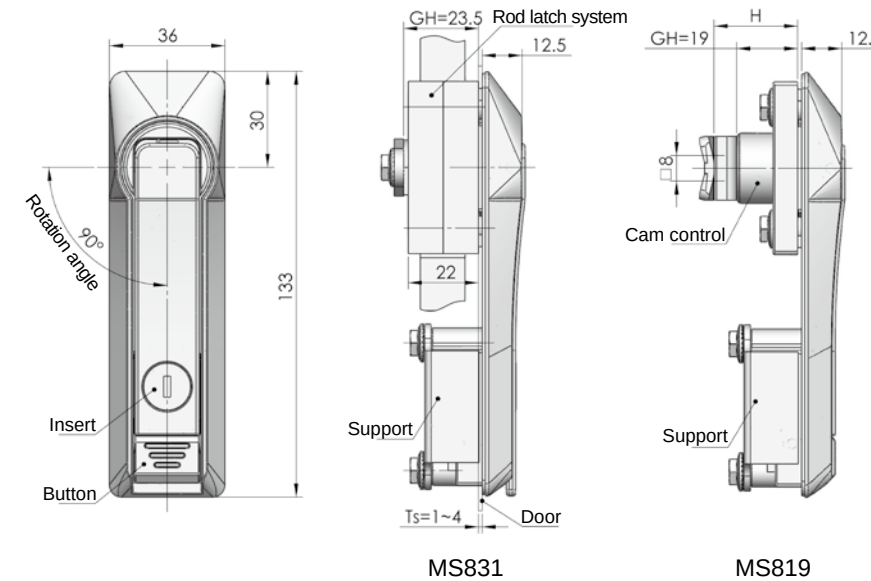
Dm: Rod stroke
Ra: Rotation angle code

Rod latch system	Dm	Ra	A	B	Specification
Mb01	15	90°	122	196	With cam
Mb02	15	90°	122	196	Without cam
Mb03	15	90°	138	196	With cam
Mb04	15	90°	138	196	Without cam
Mb21	15	90°	122	122	With cam
Mb24	23	135°	138	130	Without cam

Mb1 Series



Rod latch system	Dm	Ra	A	B	Specification
Mb11	15	90°	122	180	With cam
Mb12	15	90°	122	180	Without cam
Mb13	20	115°	130	188	With cam
Mb14	23	120°	130	188	Without cam



Cut out

Optional Accessories:

See cam latch system Mb9 series on P174
Rod latch system Mb0 series on P175

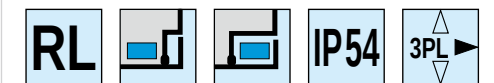
Remark: Mb0 series transmission mechanism, the corresponding B size of 180

Specification	Model	ERP
With button, optional rod latch system Mb01	MS831-1	MS831Z2A040001
With button, optional rod latch system Mb02	MS831-1-2	MS831Z2A040003
Without button, optional rod latch syystem Mb01	MS831-2	MS831Z2A040005
Without button, optional rod latch syystem Mb02	MS831-2-2	MS831Z2A040006
Without button	MS819-1	MS819Z2A040009
With button	MS819-2	MS819Z2A040003

MS831



MS819



Main material and finish: Black painted ZDC housing ,handle and button,white zinc-plated steel cam and combines with rod latch system

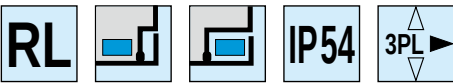
Application: Handle quarter-turn combines with rod latch system to open or close

Remark: Default key K040

Default cam: S1A35Y00001 (Rod latch type)
S1B45Y07002 (Cam type)

Performance parameter:

Handle load tension capability: $\leq 280\text{N}$
Handle load torque capability: $\leq 30\text{N.m}$
Maximum static load: 270N (cam type)



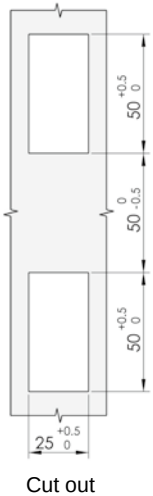
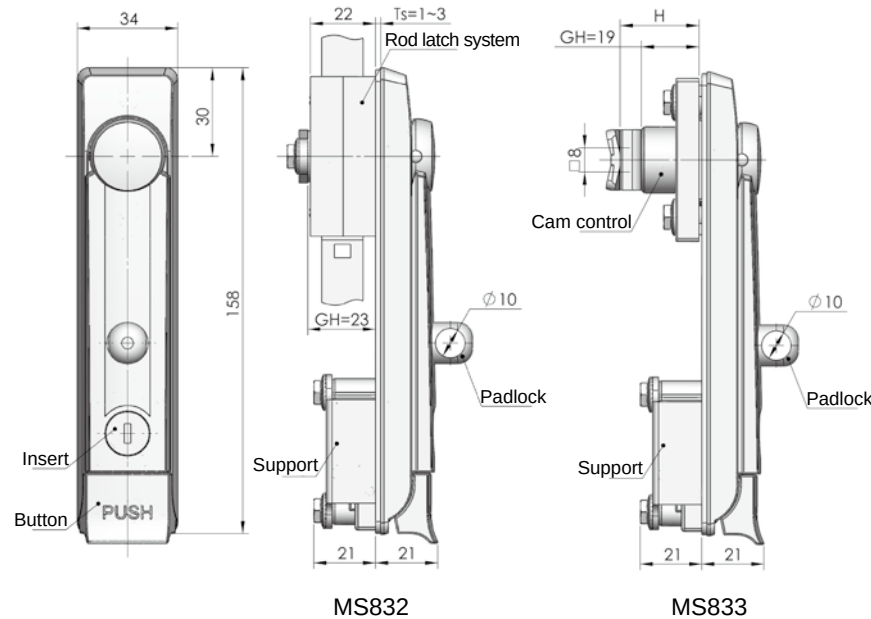
Main material and finish: Pocked black powder coated ZDC handle, housing and button, ZDC dust-proof cap, white zinc-plated steel cam and rod

Application: Quick-open, easy assembling, 90 degree handle rotation combines with rod latch to open or close

Remark: Default key K030

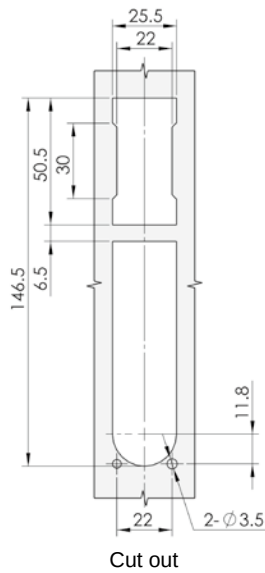
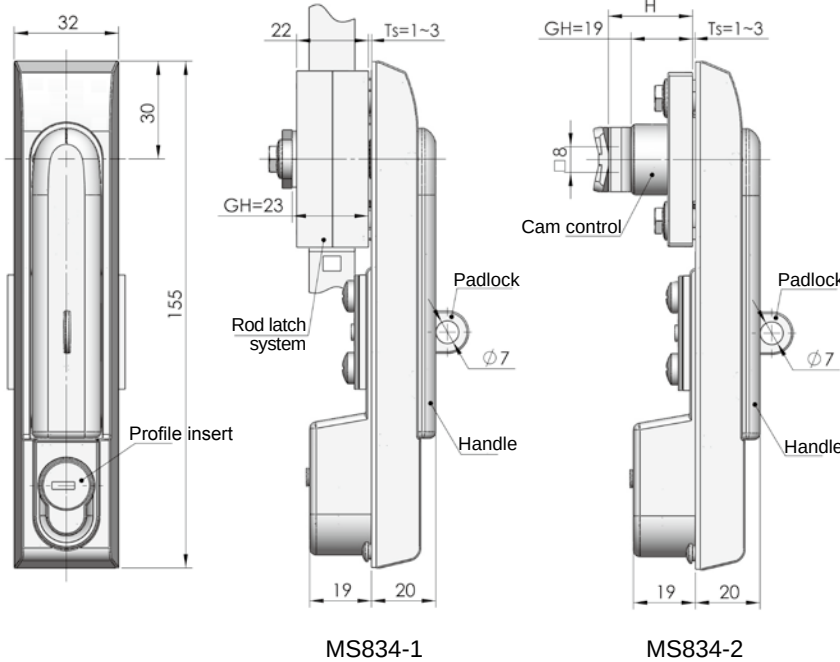
Default cam: S1A35Y00001(Rod latch type)
S1B45Y07002(Cam type)

Performance parameter:
Handle load tension capability: ≤295N
Handle load torque capability: ≤25N.m
Maximum static load: 270N(cam type)



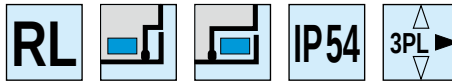
Optional Accessories:
See cam latch system Mb9 series on P174
Rod latch system Mb0 series on P175

Specification	Model	ERP
With button, optional rod latch system Mb01	MS832-1	MS832Z1B030001
With button, optional rod latch system Mb01, padlockable	MS832-1P	MS832Z1B030002
With button, optional rod latch system Mb02	MS832-1-2	MS832Z1B030015
With button, optional rod latch system Mb02, padlockable	MS832-1-2P	MS832Z1B030014
Without button, optional rod latch system Mb01	MS832-2	MS832Z1B030005
Without button, optional rod latch system Mb01, padlockable	MS832-2P	MS832Z1B030006
Without button, optional rod latch system Mb02	MS832-2-2	MS832Z1B030015
Without button, optional rod latch system Mb02, padlockable	MS832-2-2P	MS832Z1B030016
With button	MS833	MS833Z1B030001
With button, padlockable	MS833-1P	MS833Z1B030016
Without button	MS833-2	MS833Z1B030003
Without button, padlockable	MS833-2P	MS833Z1B030018



Optional Accessories:
See cam latch system Mb9 series on P174
Rod latch system Mb0 series on P175
Profile insert series on P027

Specification	Model	ERP
Optional rod latch system Mb01	MS834-1	MS834Z1A040001
Optional rod latch system Mb02	MS834-1-2	MS834Z1A040009
Cam latch system	MS834-2	MS834Z1A030027



Main material and finish: Black powder coated ZDC handle and housing, bright chrome-plated ZDC profile insert, white zinc-plated steel cam and rod latch, steel rod

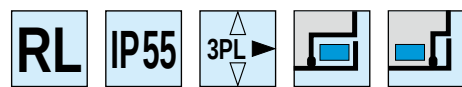
Application: Quick-open, easy assembling, 90 degree handle rotation combines with rod latch to open or close

Remark: Default profile insert TC04-1, default key K040

Default cam: S1A35Y00001(Rod latch type)
S1B45Y07002(Cam type)

Performance parameter:
Handle load tension capability: ≤225N
Handle load torque capability: ≤20N.m
Reminder: Tighten the locks protecting cover to protect the lock
Maximum static load: 270N(cam type)

MS834-6



Main material and finish: Black painted (high salt mist resistant) ZDC handle and housing, bright chrome-plated ZDC profile insert, stainless steel cam and rod

Application: Handle lift 45 degree Handle 135° rotation combines with rod latch system to open or close, change gear and rod direction to suit RH or LH application

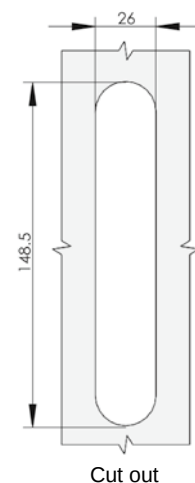
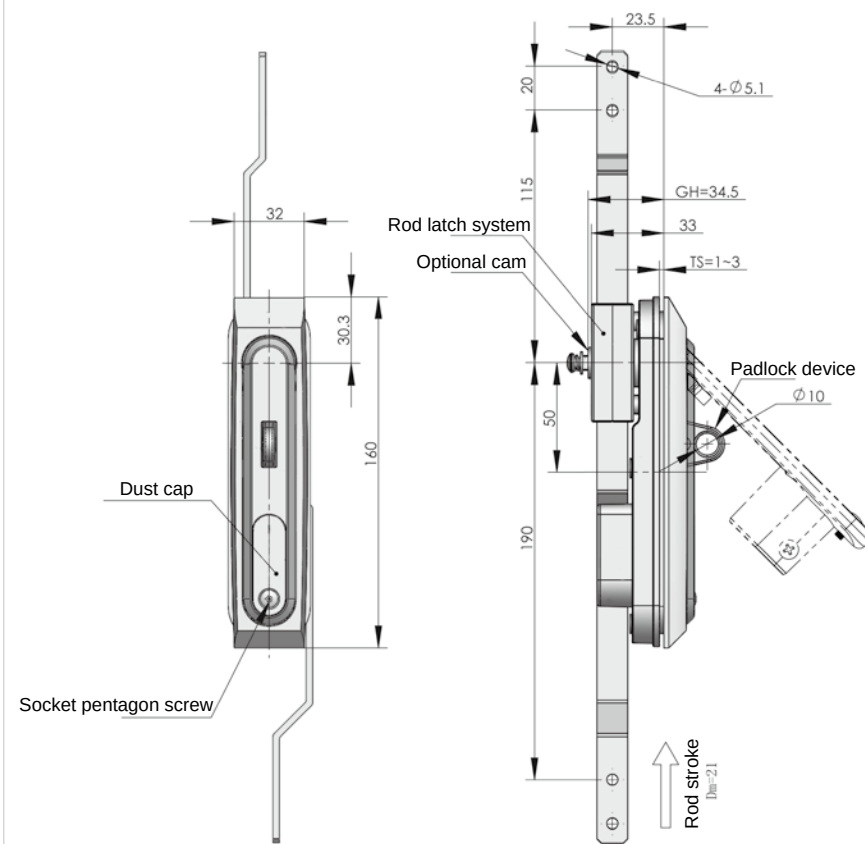
Remark: Default profile insert TC03-5A

Performance parameter:

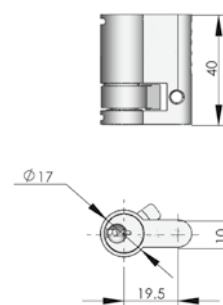
Handle load tension capability: ≤395N

Handle load torque capability: ≤33N.m

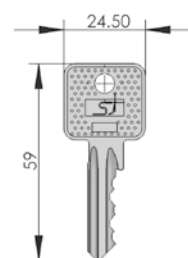
Reminder: Tighten the locks protecting cover to protect the lock



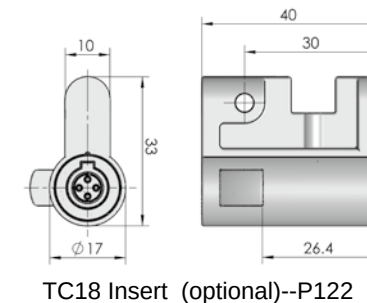
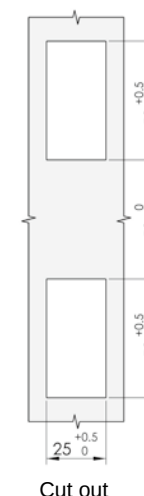
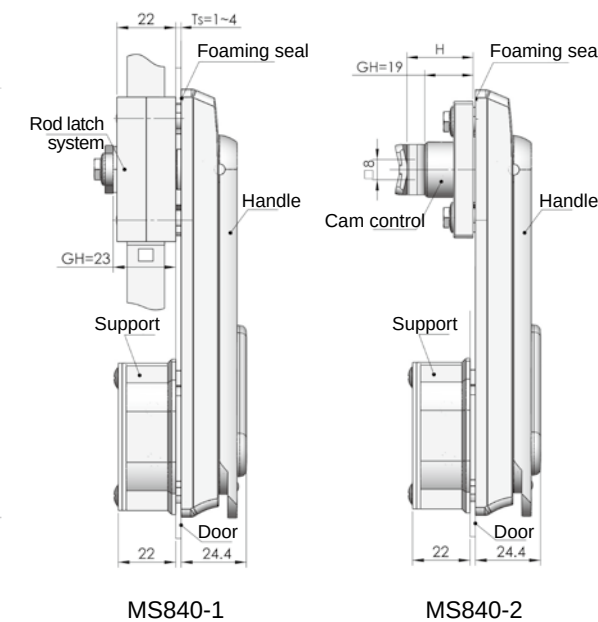
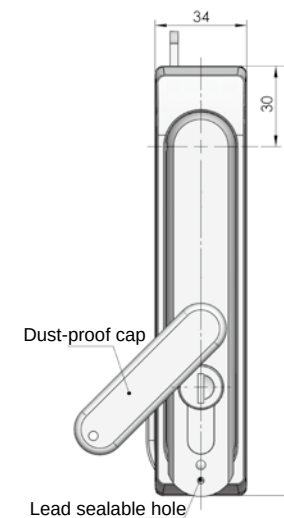
Default TC03-5A



Default Key



	MS834-6-Z	MS834-6-Y
ERP	MS834Z2E000001	MS834Z2E000002



Optional accessories:

See cam latch system Mb9 series on P174

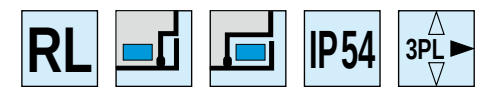
Rod latch system Mb0 series on P175

TC01/TC02/TC03 profile insert on P027

Remark: PA housing or ZDC housing, default ZDC housing

Specification	Model	ERP
Optional rod latch system Mb01	MS840-1	MS840Z1B140001
Optional rod latch system Mb01, padlockable	MS840-1P	MS840Z1B140002
Optional rod latch system Mb02	MS840-1-2	MS840Z1B140019
Optional rod latch system Mb02, padlockable	MS840-1-2P	MS840Z1B140020
Cam latch system	MS840-2	MS840Z1B140064
Cam latch system, padlockable	MS840-2P	MS840Z1B140014

MS840



Main material and finish: Pocked black powder coated ZDC housing and handle, ZDC profile insert, white zinc-plated steel cam and rod

Application: 90 degree handle rotation combines with rod latch to open or close

Remark: Default key K140

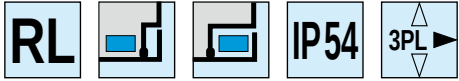
Default cam: S1A35Y00001(Rod latch type)
S1B45Y07005 (Cam type)

Performance parameter:

Handle load tension capability: ≤400N

Handle load torque capability: ≤35N.m

Maximum static load: 270N(cam type)



Main material and finish: Black powder coated ZDC housing, handle, zinc-plated steel cam

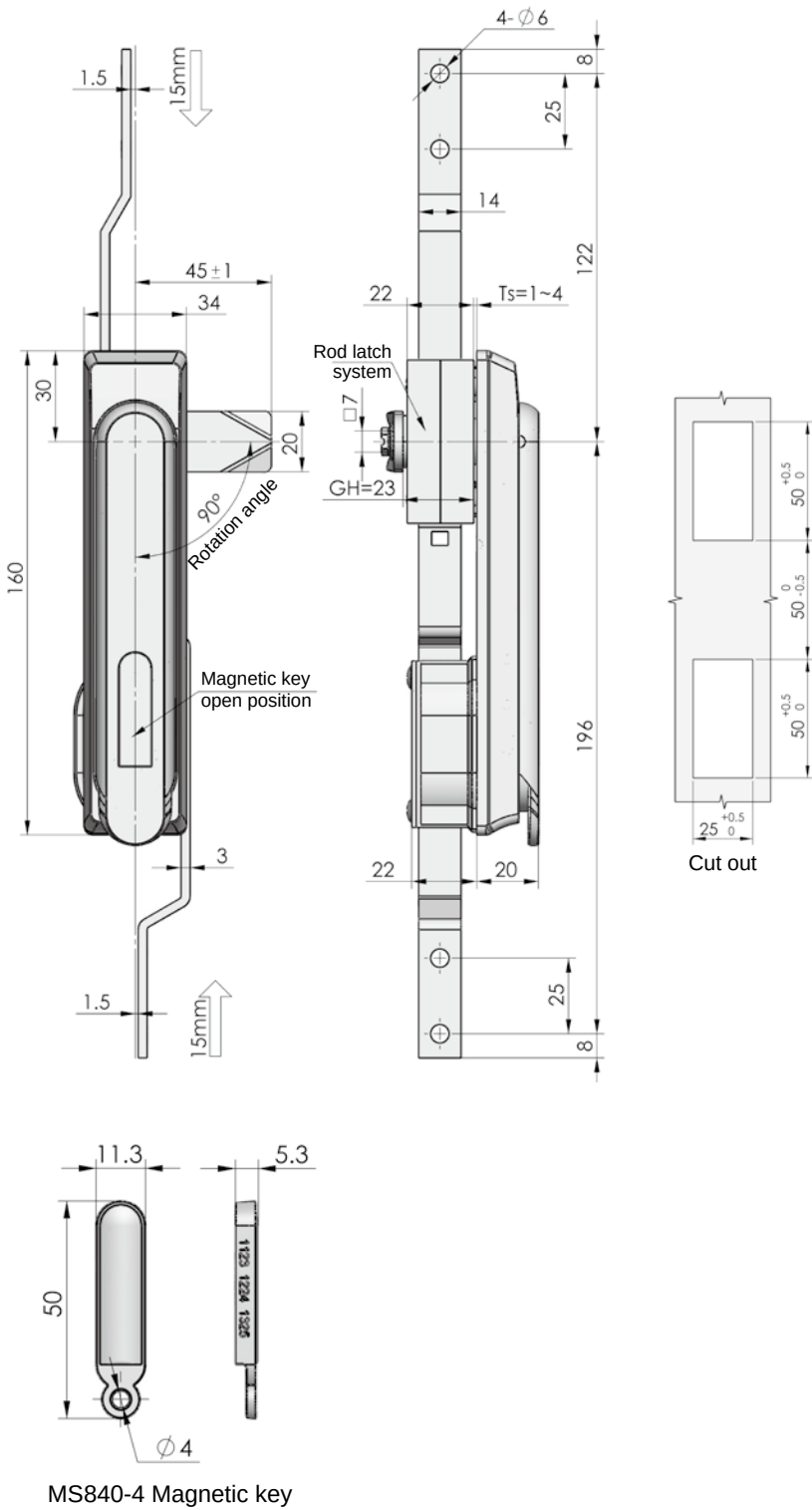
Application: 45 degree handle uplift rotation combines with cam to open or close, Open lock from left hand or right hand need change the set angle of limit part and cam

Character

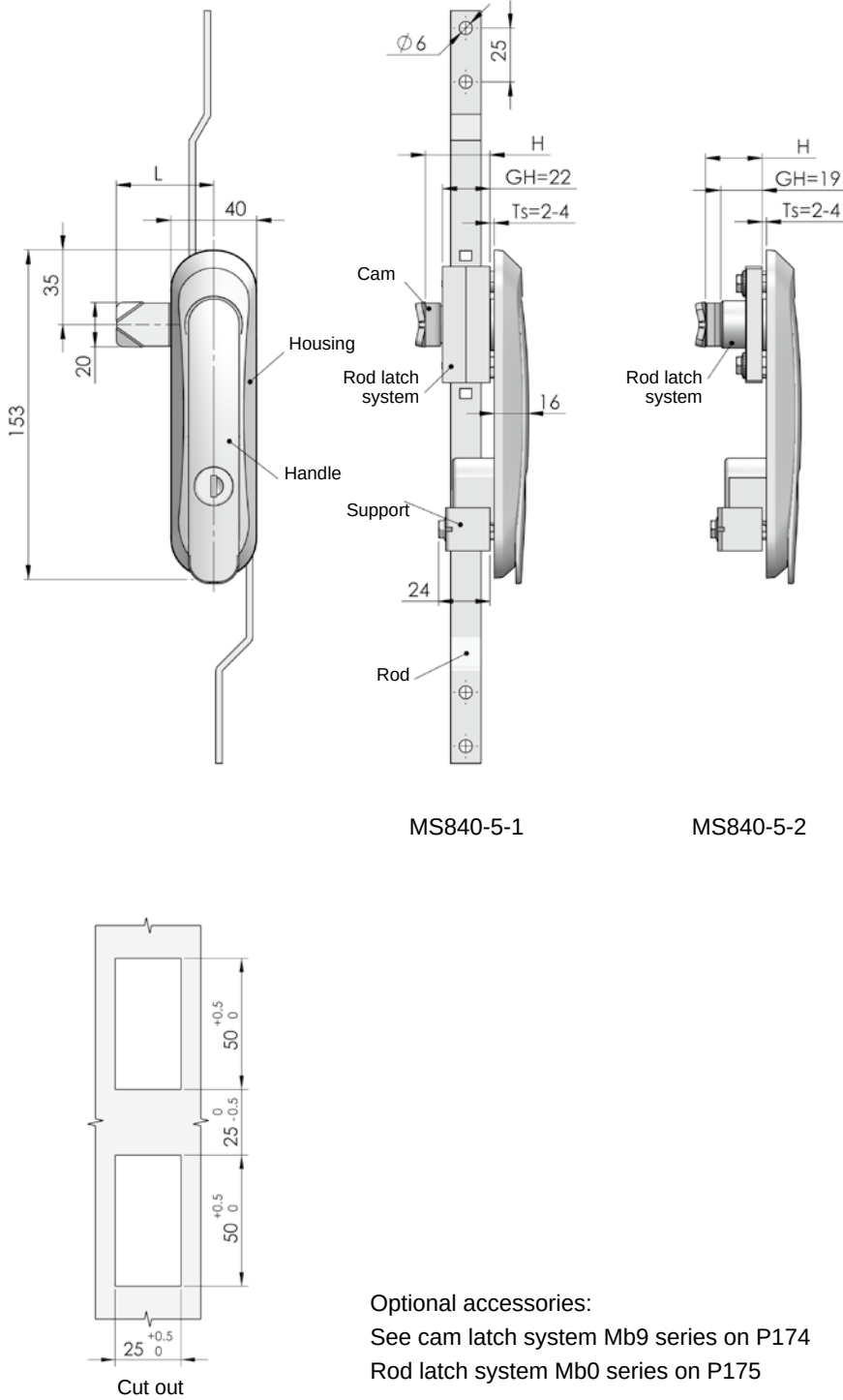
Use magnet to open or close the lock. The advantage is the lock system is not exposed and the key combinations is more than other standard inserts. Open the lock, put the magnetic key into the groove of the handle, then put up the handle.

Performance parameter:

Handle load tension capability: ≤400N
Handle load torque capability: ≤35N.m



ERP	MS840Z1B000006
Remark: Default cam S1A4500	



Optional accessories:
See cam latch system Mb9 series on P174
Rod latch system Mb0 series on P175

Model	MS840-5-1	MS840-5-2
ERP	MS840Z2A720001	MS840Z2A720002



Main material and finish: Black painted ZDC handle, housing, white zinc plated ZDC shaft, lock-tongue, steel cam, press plate and strip.

Application: Optional cam control system and rod control system

Remark: Optional key K140 and K720

Performance parameter:

Handle load tension capability: ≤330N
Handle load torque capability: ≤26N.m
Maximum static load: 270N(cam type)

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS840-A



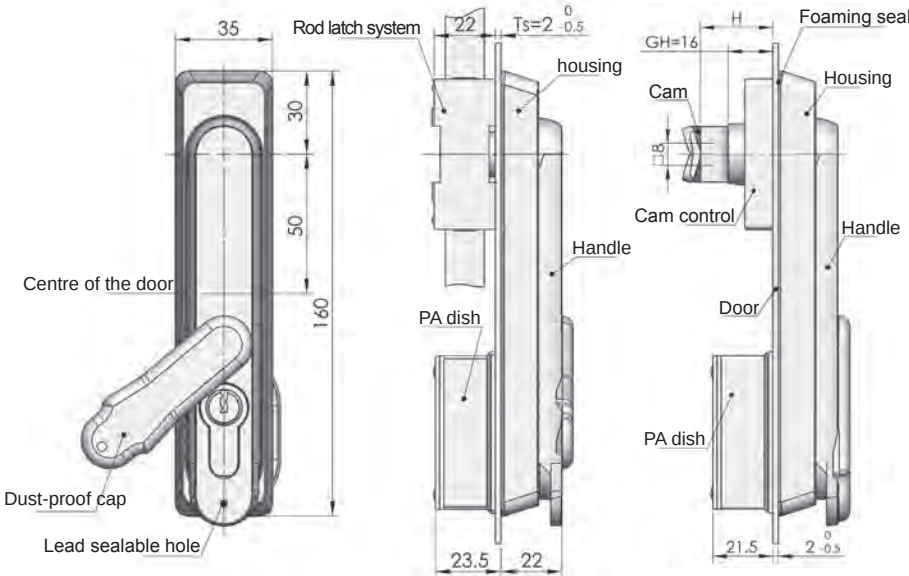
Main material and finish: Black PA handle, housing and dust-proof cap, white zinc-plated steel cam and rod, bright chrome-plated ZDC profile insert

Application: Handle quarter-turn rotation combines with rod latch system to open or close

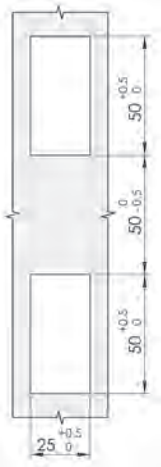
Remark: Default profile insert TC01, default key K140

Default cam: S1B45Y07002 (Cam type)

Performance parameter:
Handle load tension capability: ≤300N
Handle load torque capability: ≤33N.m



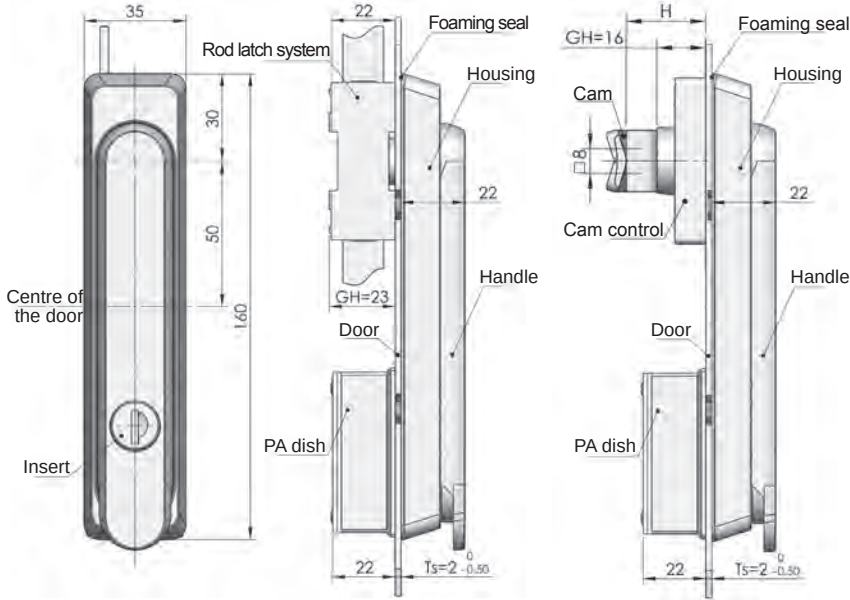
MS840-1A MS840-2A



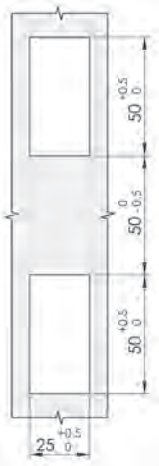
Cut out

Optional Accessories:
See cam latch system Mb9 series on P174
Rod latch system Mb4 series on P192
TC01/TC02/TC03 profile insert on P027

Specification	Model	ERP
Rod latch system with TC series profile insert and dust-proof cap	MS840-1A	MS840N00140039
Cam latch system with TC series profile insert and dust-proof cap	MS840-2A	MS840N00140033



MS840-1B MS840-2B



Cut out

Optional Accessories:
See cam latch system Mb9 series on P174
Rod latch system Mb4 series on P192

Specification	Model	ERP
Rod latch system with insert	MS840-1B	MS840N00140025
Cam latch system with insert	MS840-2B	MS840N00140034

MS840-B



Main material and finish: Black PA housing, handle and dust-proof cap, white zinc-plated steel cam and rod, ZDC profile insert

Application: Handle quarter-turn combines with rod latch system to open or close

Remark: Default Key K140

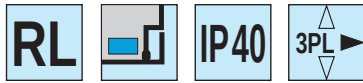
Default cam: S1B45Y07002 (Cam type)

Performance parameter:
Handle load tension capability: ≤300N
Handle load torque capability: ≤33N.m

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS840-C



Main material and finish: Black PA handle, housing and dust-proof cap, white zinc-plated steel cam and rod, ZDC profile insert

Application: Handle quarter-turn combines with rod latch system to open or close

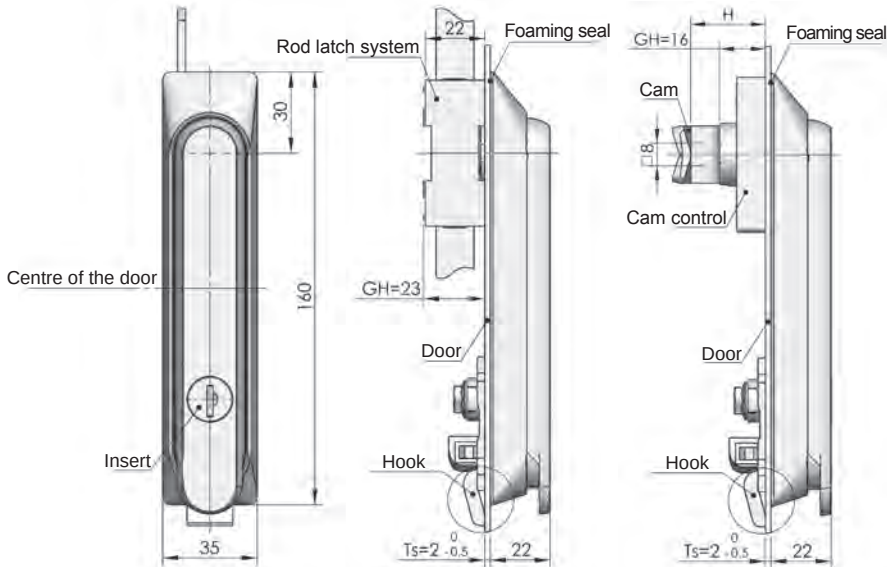
Remark: Default Key K140

Default cam: S1B45Y07002 (Cam type)

Performance parameter:

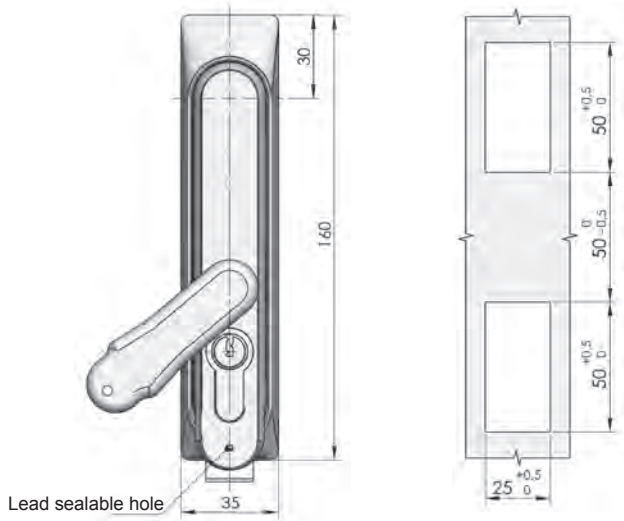
Handle load tension capability: ≤300N

Handle load torque capability: ≤33N.m



MS840-1C

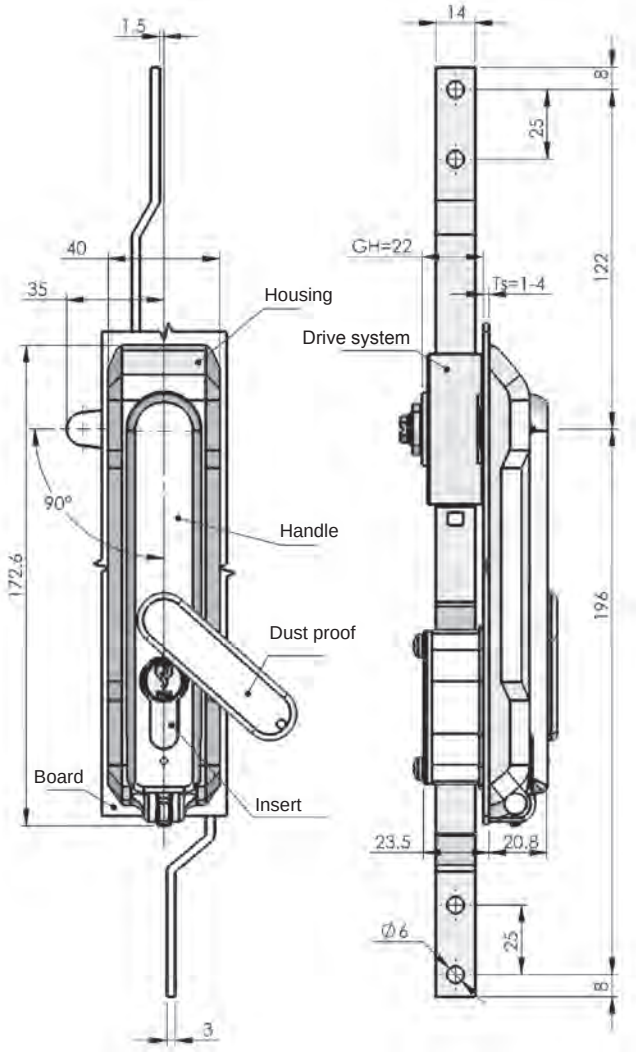
MS840-2C



MS840-D

Optional Accessories:
See cam latch system Mb9 series on P174
Rod latch system Mb4 series on P192

Specification	Model	ERP
Rod latch system	MS840-1C	MS840N00140011
Cam latch system	MS840-2C	MS840N00140015



Cut out

MS840-6P



Main material: Zamak housing, handle, insert ;Q235 support, cam,rod drive

Finish: Nanometer painted housing, handle,white zinc plated cam ,rod drive

Structure :Open the lock by turning the insert 45 degree,handle pop-out,moving with drive system to open or close

Remark:Default TC03 profile insert

Performance parameter :

Handle load tension capability: ≤400N

Handle load torque capability: ≤35N.m

Max static load : 270N(Cam type)

ERP MS840Z1B000006

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS846



Main material and finish: Pocked black powder coated ZDC handle and housing, ZDC profile insert, white zinc-plated steel cam and rod

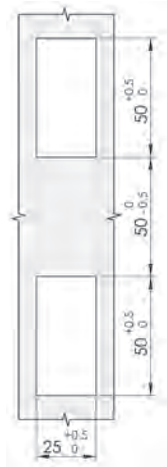
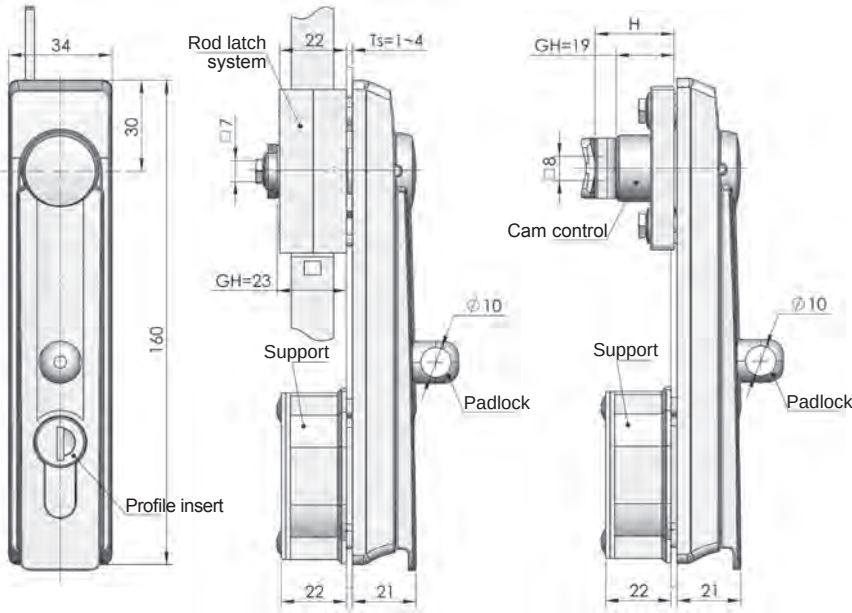
Application: 90 degree handle rotation combines with rod latch to open or close

Remark: Default profile insert TC01, default key K140

Default cam: S1A35Y00001(Rod latch type)
S1B45Y07002(Cam type)

Performance parameter:

Handle load tension capability: ≤235N
Handle load torque capability: ≤40N.m
Maximum static load: 270N(cam type)

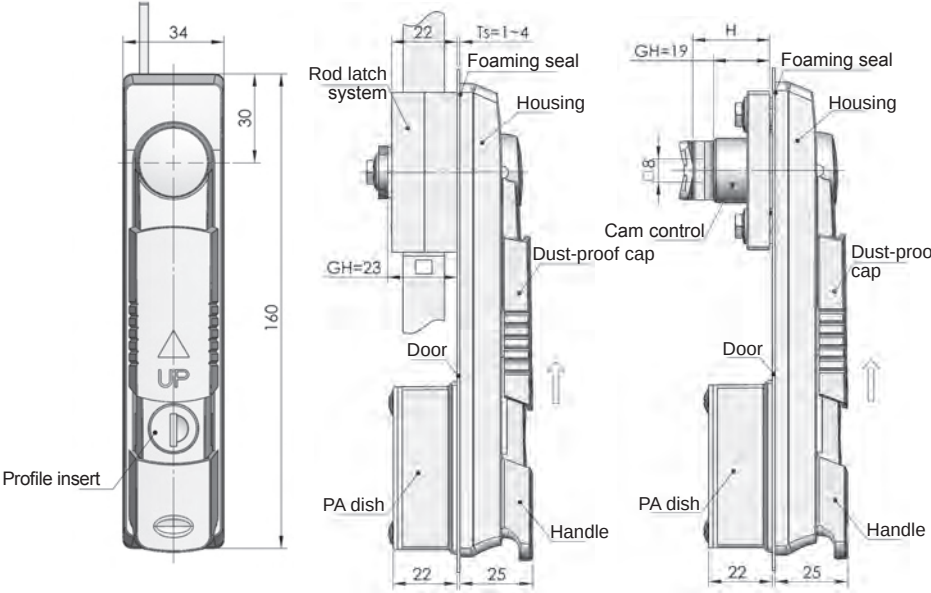


Cut out

Optional accessories:
See cam latch system Mb9 series on P174
Rod latch system Mb0 series on P175
TC01/TC02/TC03 profile insert on P027

Remark: PA housing or ZDC housing ,default ZDC housing

Specification	Model	ERP
Optional rod latch system Mb01	MS846-1	MS846Z1B140001
Optional rod latch system Mb01, padlockable	MS846-1-P	MS846Z1B140002
Optional rod latch system Mb02	MS846-1-2	MS846Z1B140005
Optional rod latch system Mb02, padlockable	MS846-1-2P	MS846Z1B140007
Cam latch system	MS846-2	MS846Z1B140003
Cam latch system, padlockable	MS846-2-P	MS846Z1B140004



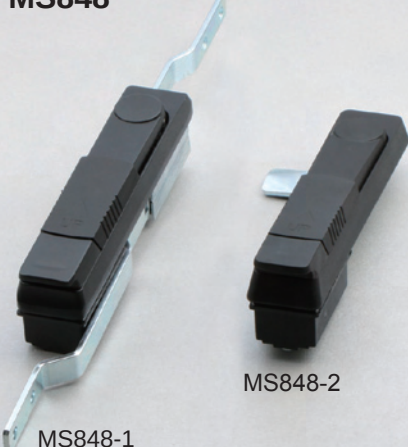
Cut out

Optional accessories:
See cam latch system Mb9 series on P174
Rod latch system Mb0 series on P175
TC01/TC02/TC03 profile insert on P027

Remark : PA housing or ZDC housing, default ZDC housing

Specification	Model	ERP
Optional rod latch system Mb01	MS848-1	MS848Z1B140017
Optional rod latch system Mb02	MS848-1-2	MS848Z1B140004
Cam latch system	MS848-2	MS848Z1B140010

MS848



Main material and finish: Pocked black powder coated ZDC handle and housing, ZDC profile insert, white zinc- plated steel cam and rod

Application: 90 degree handle rotation combines with rod latch to open or close

Remark: Default profile insert TC01, default key K140

Default cam: S1A35Y00001(Rod latch type)
S1B45Y07002(Cam type)

Performance parameter:

Handle load tension capability: ≤520N
Handle load torque capability: ≤27N.m
Maximum static load: 270N(cam type)

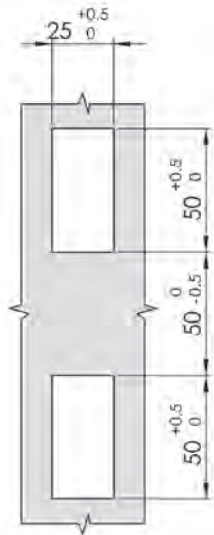
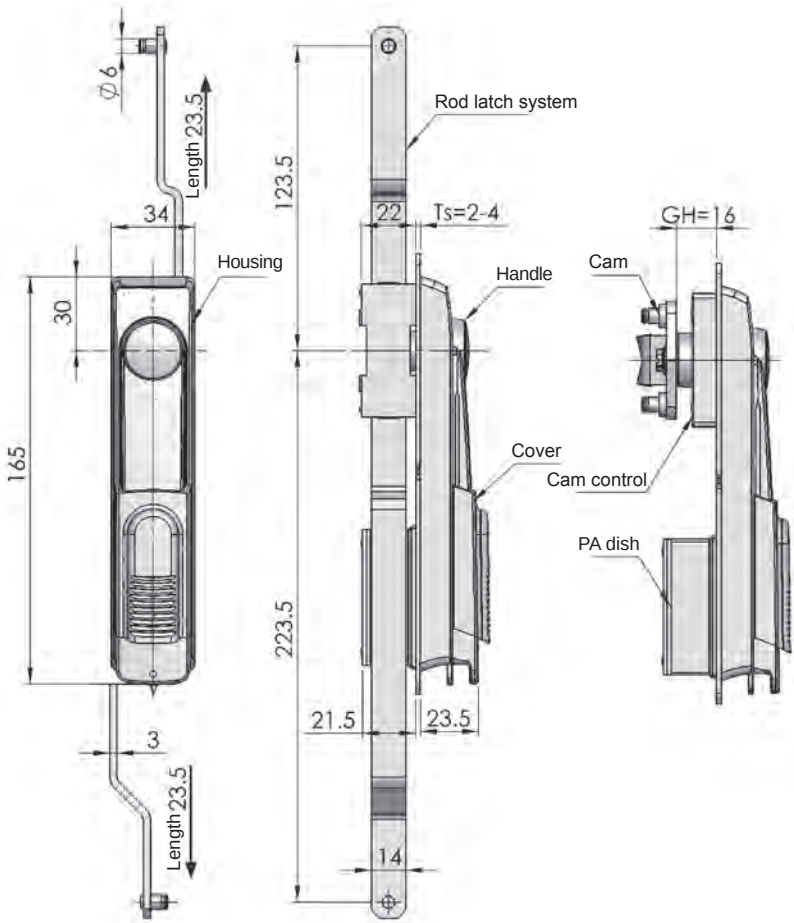
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS848-1E



Main material: Black PA housing, Handle, dust-proof cap, zamak profile insert
Finish : Bright chrome plated insert, white zinc plated cam and rod drive
Remark : Optional profile insert TC01,TC02,TC03 Default TC01 with K14

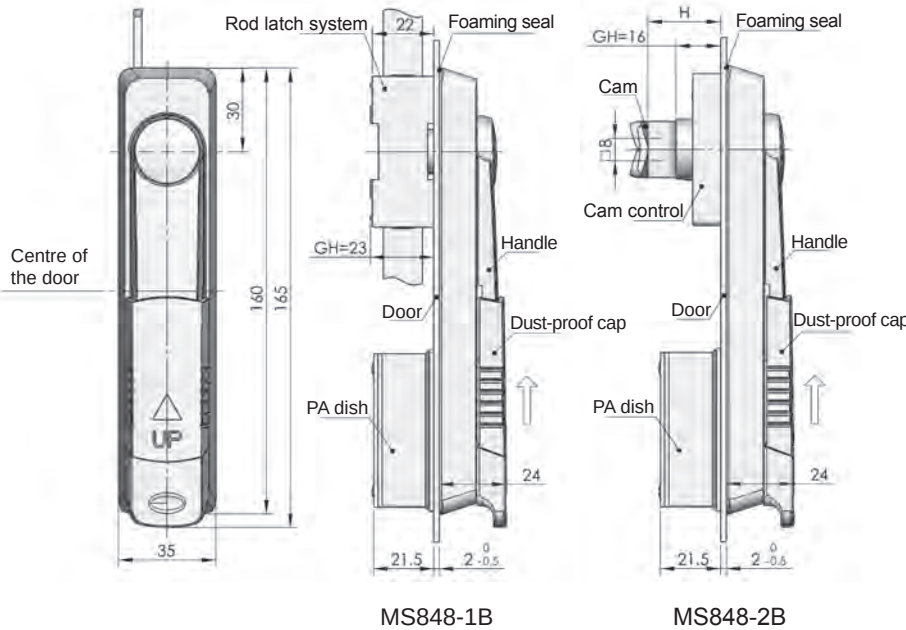
Performance parameter:
Handle load tension capability:≤170N
Handle load torque capability: ≤20N.m



Cut out

Optional Accessories:
See cam latch system Mb9 series on P174
Rod latch system Mb4 series on P192

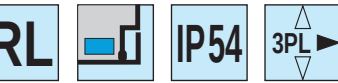
ERP MS848N00140038



Cut out

Optional Accessories:
See cam latch system Mb9 series on P174
Rod latch system Mb2 series on P175

MS848-B



Main material and finish: Black PA handle, housing and dust-proof cap, white zinc-plated steel cam and rod, ZDC profile insert
Application: Handle quarter-turn combines with rod latch system to open or close
Remark: Default profile insert TC01, default Key K140

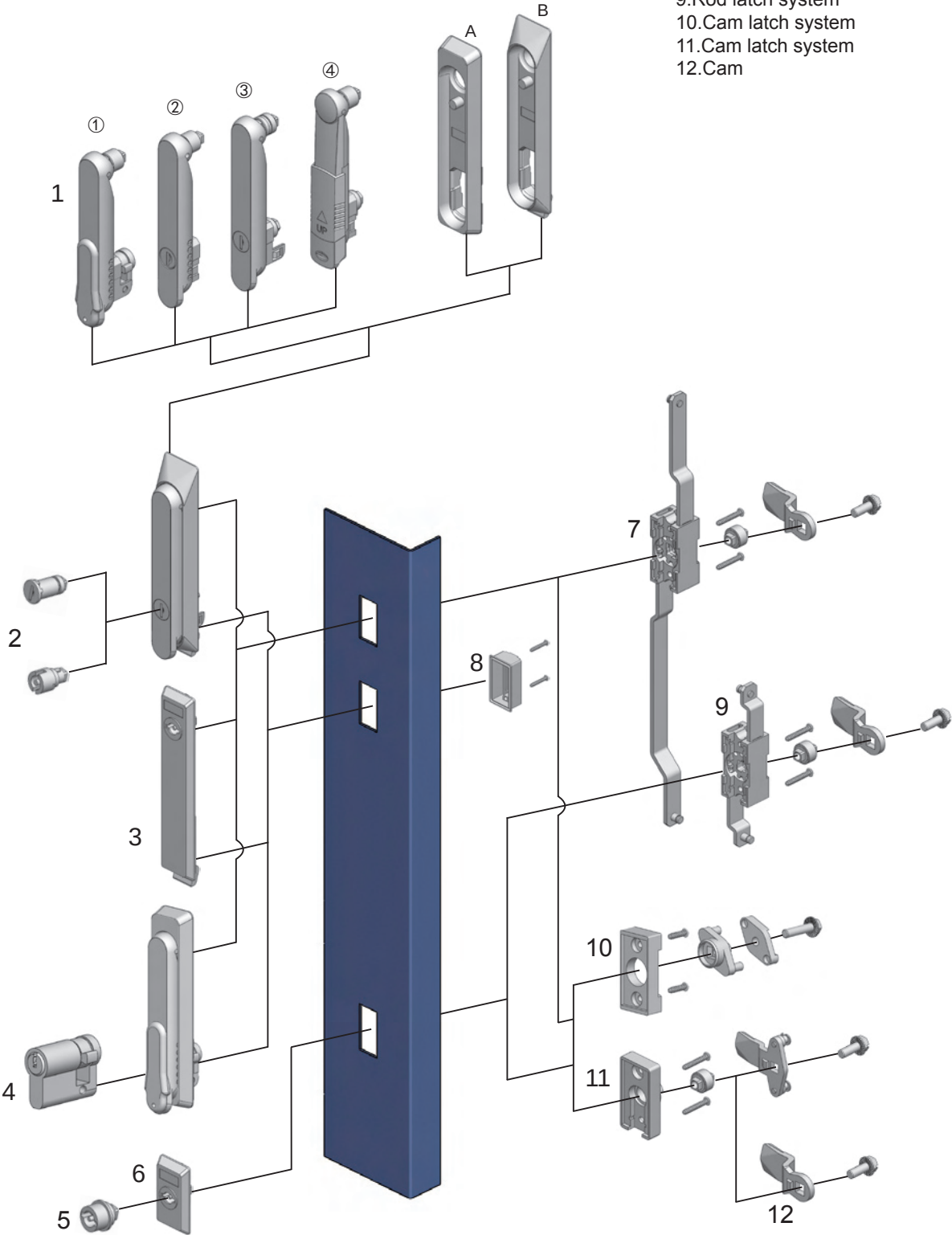
Default cam: S1B45Y07002 (Cam type)

Performance parameter:
Handle load tension capability:≤170N
Handle load torque capability: ≤20N.m

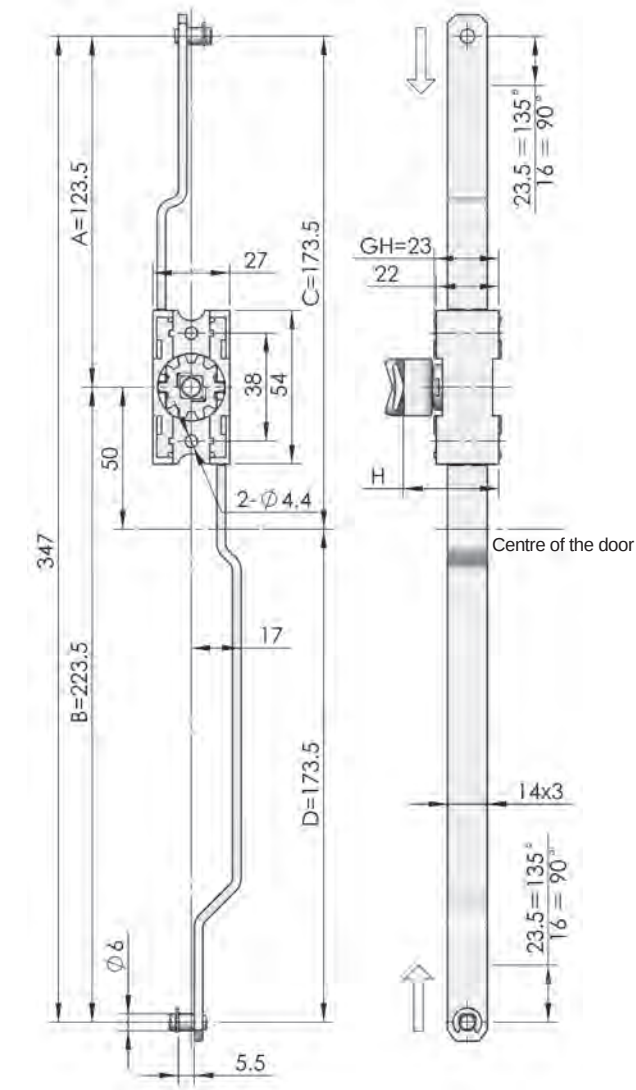
Specification	Model	ERP
Rod latch system	MS848-1B	MS848N00140002
Cam latch system	MS848-2B	MS848N00140018

Combination	Item No	
	Rod latch system	Cam latch system
①A	MS840-1A	MS840-2A
①B	MS840-1D	MS840-2D
②A	MS840-1B	MS840-2B
②B	MS840-1E	MS840-2E
③A	MS840-1F	MS840-2F
③B	MS840-1C	MS840-2C
④A	MS848-1B	MS848-2B
④B	MS848-1C	MS848-2C

- 1.Lock-body
- 2.Insert
- 3.Lock-boby
- 4.Profile insert
- 5.Insert
- 6.Board
- 7.Rod latch system
- 8.PA dish
- 9.Rod latch system
- 10.Cam latch system
- 11.Cam latch system
- 12.Cam



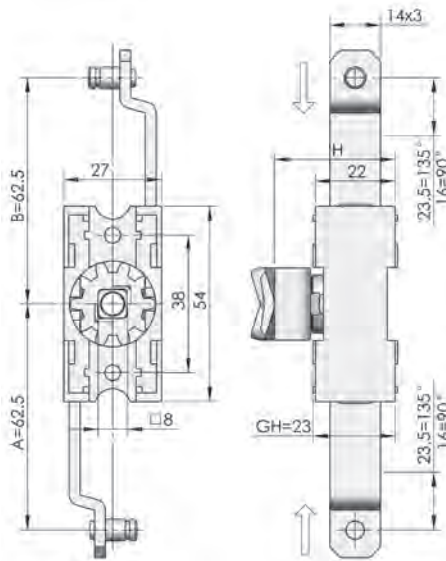
Mb4 Series



Remark: Default rod latch system, closing position, 135 degree rotation angle, default optional cam S1B3500, cam cutout square 8mm. The rod latch system is used for the seal door-outside

Rod latch system	Dm	Ra	A	B	C	D	Specification
Mb43	23.5	135°	123.5	223.5	173.5	173.5	With cam
Mb44	23.5	135°	123.5	223.5	173.5	173.5	Without cam

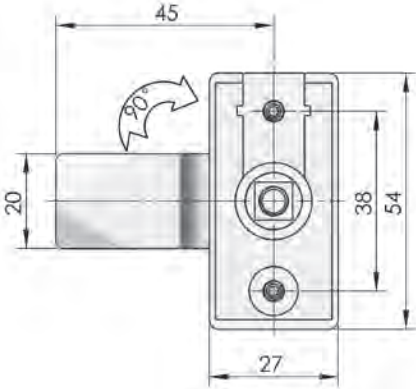
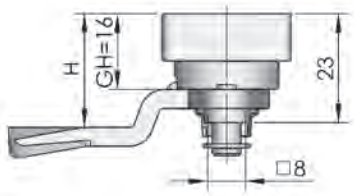
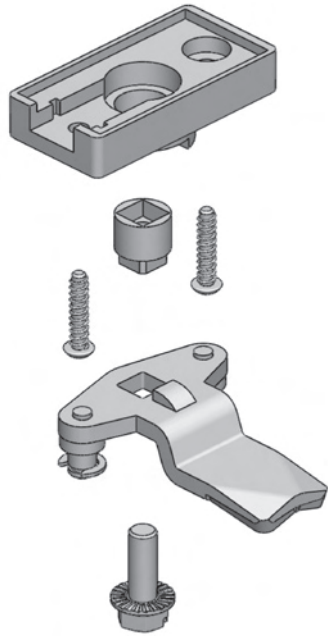
Mb5 Series



Remark: Default rod latch system, closing position, 135 degree rotation angle, default optional cam S1B3500, cam cutout square 8mm. The rod latch system is used for the seal door-outside

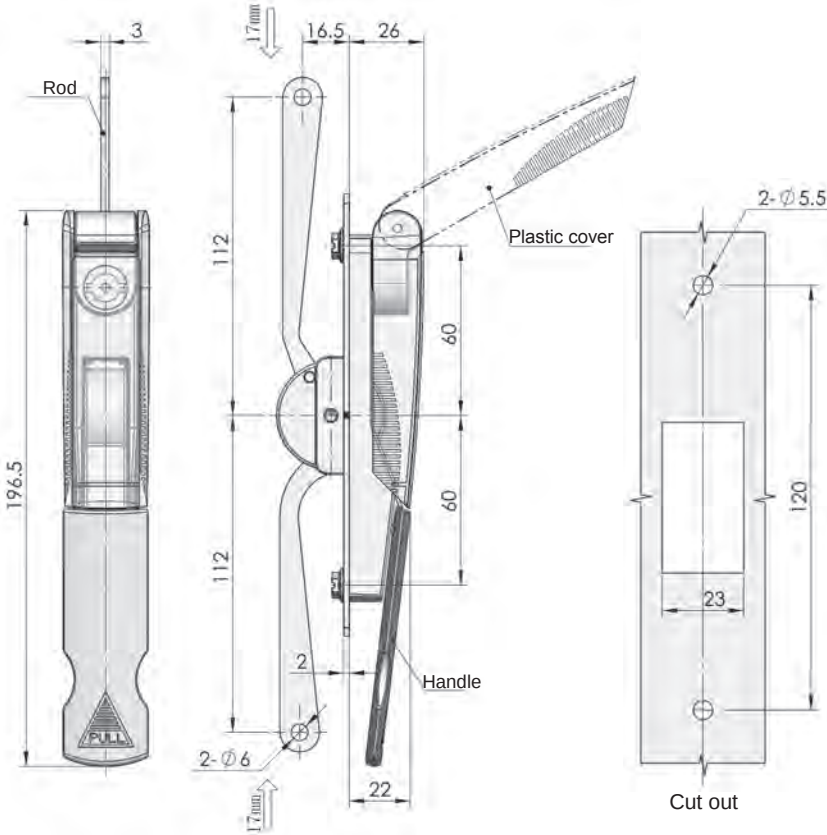
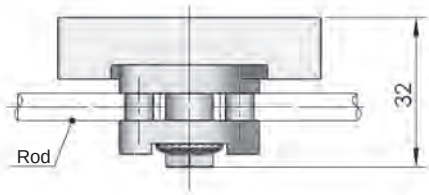
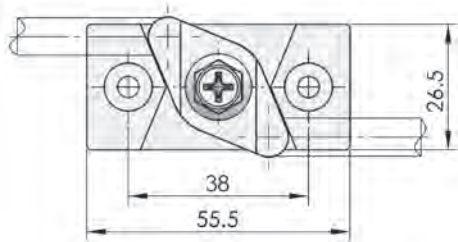
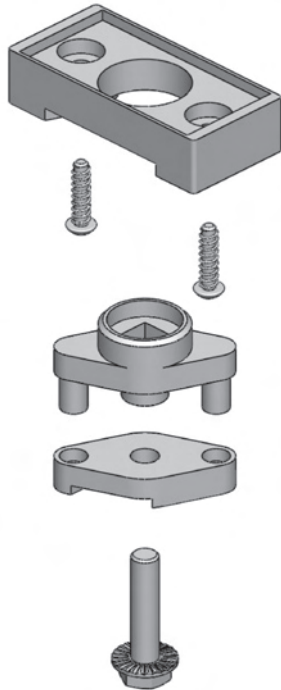
Rod latch system	Dm	Ra	A	B	Specification
Mb51	23.5	135°	62.5	62.5	With cam
Mb52	23.5	135°	62.5	62.5	Without cam

Mb92-Y
Mb92-Z



Remark: Default optional cam S3B4510

Mb94 Series



Specification	Model	ERP
Double bit	MS853-1-1	MS853Z1DT01001
Triangular	MS853-1-2	MS853Z1DT04001
Square 8mm	MS853-1-3	MS853Z1DT07001
Slot	MS853-1-4	MS853Z1DT10001
Default Key K04	MS853-2	MS853Z1D040001

MS853



Main material and finish: Blue gray powder coated ZDC handle,housing, ZDC support, white zinc-plated steel rod, PC dust-proof cap

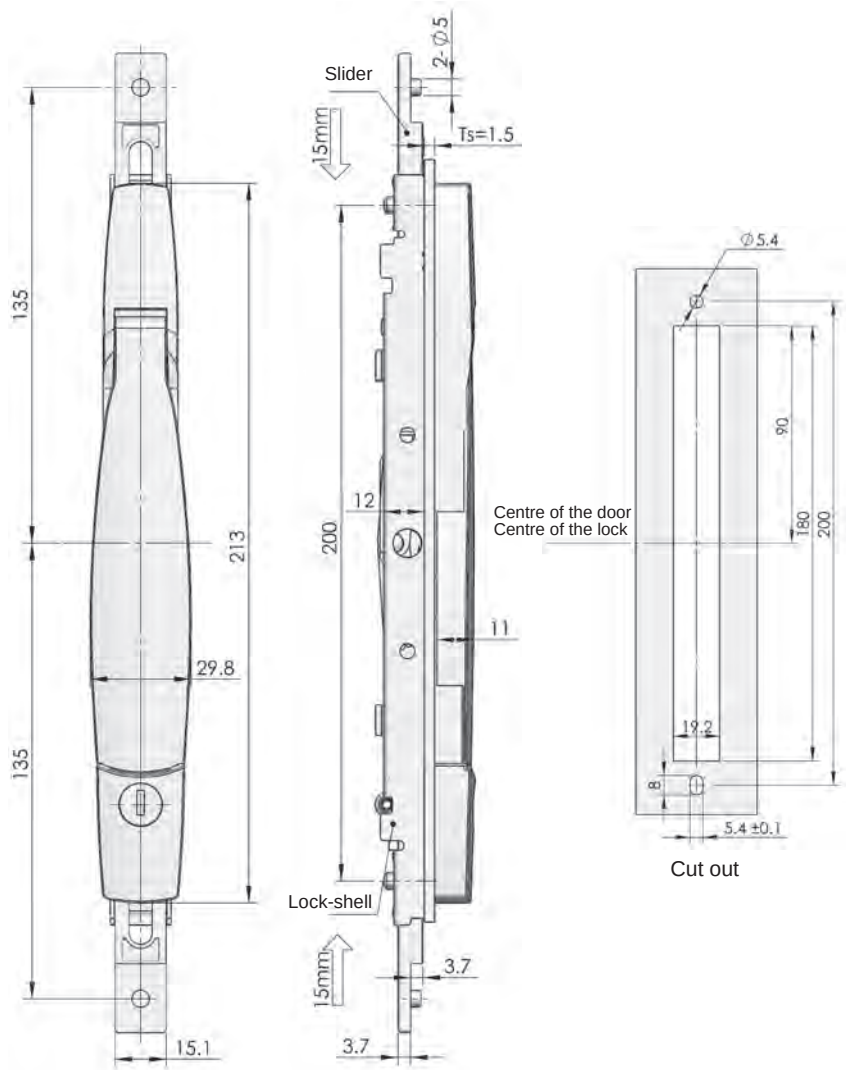
Remark: Optional Key K15 series or K040

Performance parameter:
Handle load tension capability:≤275N

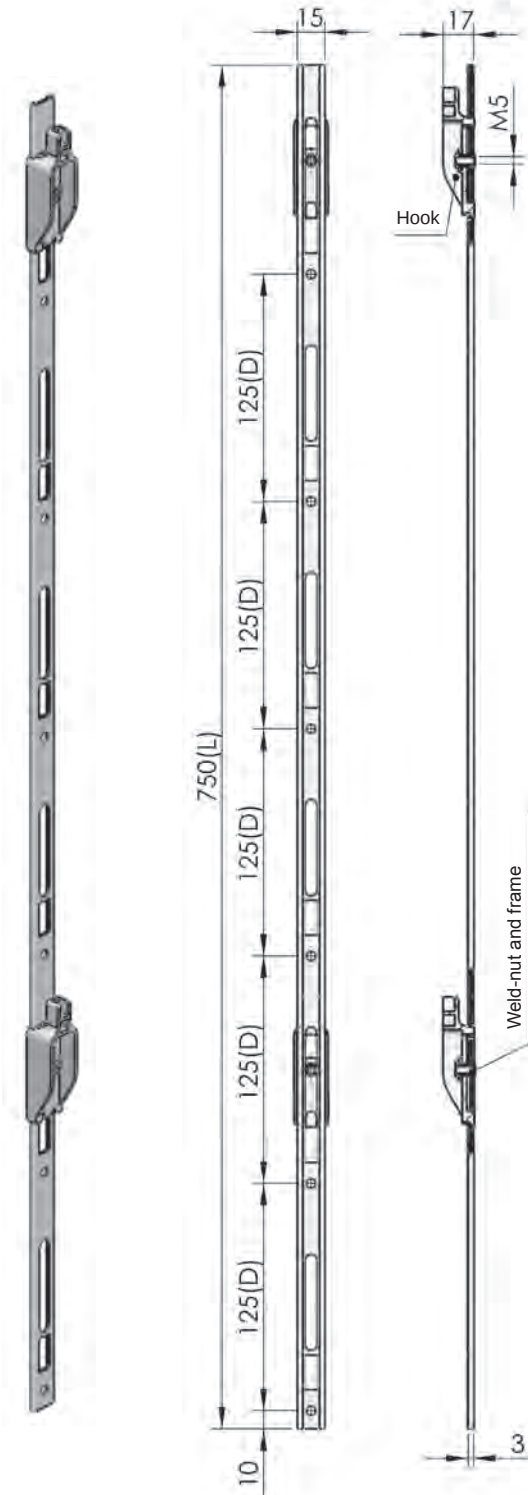


Main material and finish: Black ABS handle, housing, white zinc-plated ZDC slider, white zinc-plated support
Remark: Default Key K400

Performance parameter:
Handle load tension capability: ≤150N

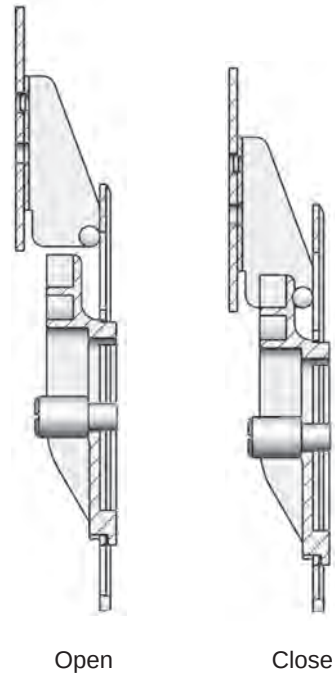


ERP MS855Z1B400001

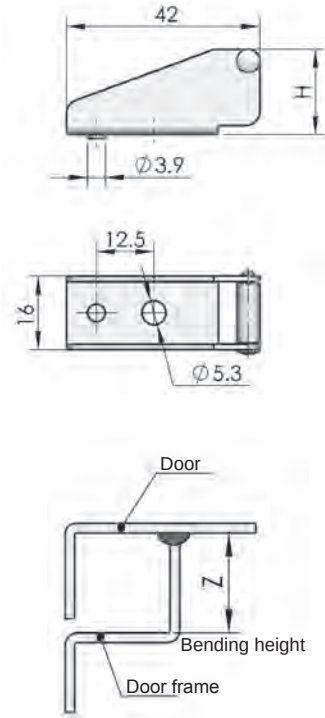


Model	Length(mm)	Lock catch appropriate quantity
LG-2D-250	250	1
LG-2D-375	375	1
LG-2D-500	500	1
LG-2D-625	625	2
LG-2D-750	750	2
LG-2D-875	875	2

Rod length=125 X n, n: Rod-Joint quantity, joint distance=125 ;



Catcher



Hook No	H	Z
KP1	19	15.5
KP2	20	16.5
KP3	22	18.5
KP4	25	21.5

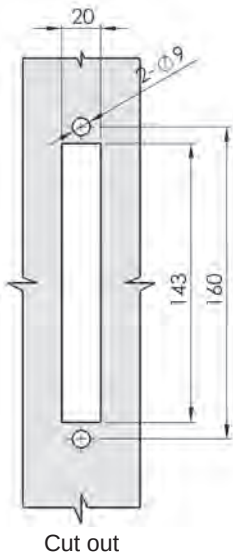
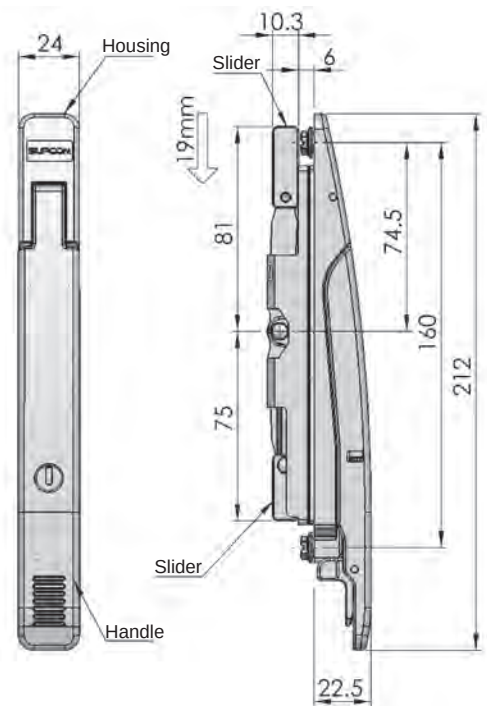
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS855-5

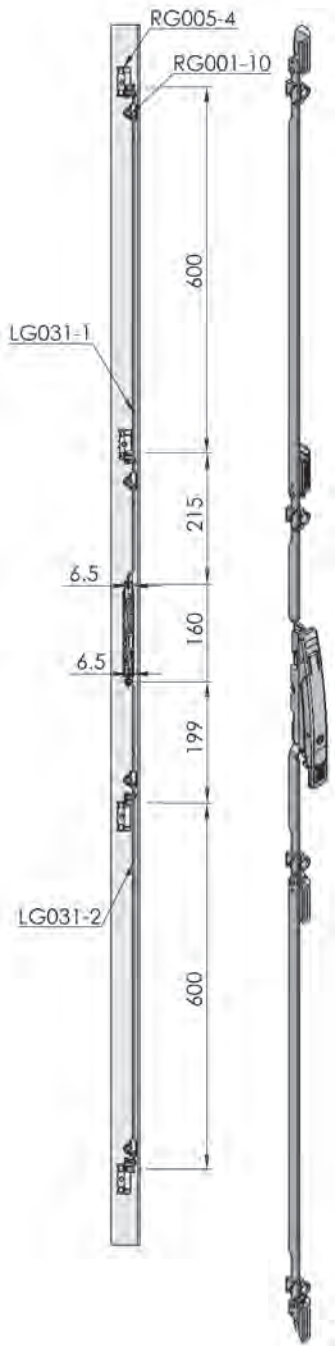


Main material and finish: Painted RAL7030 ZDC housing and handle, ZDC slider and fix part, stainless steel rod
Remark: Default key K110

Performance parameter:
Handle load tension capability: ≤800N

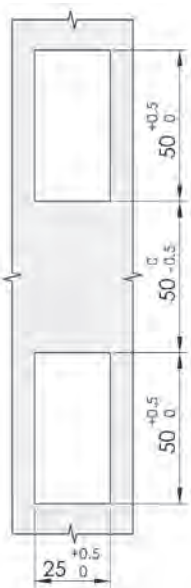
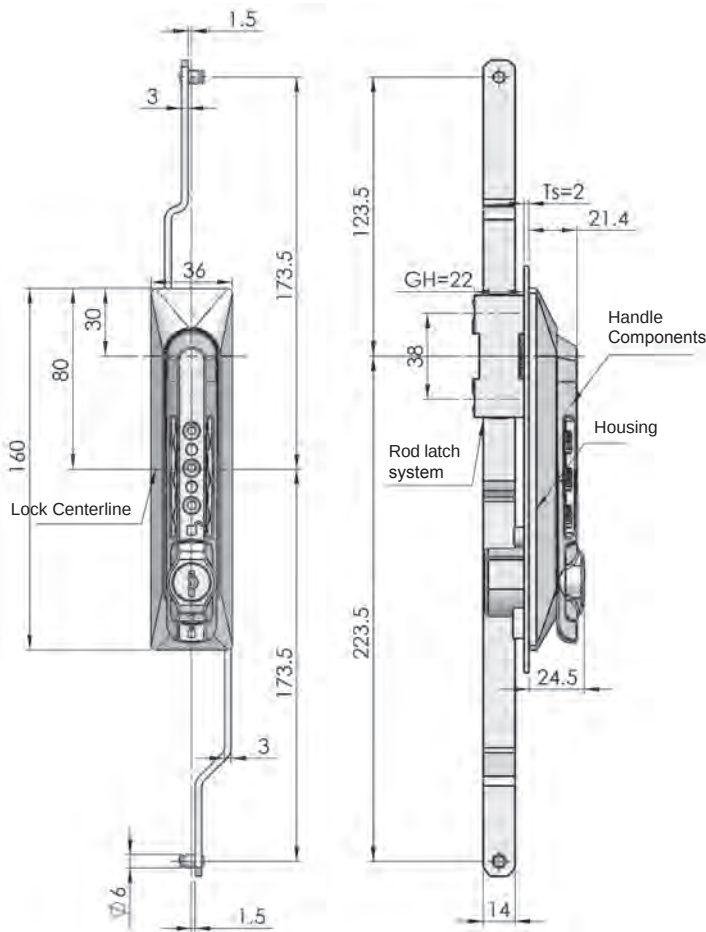


Assembly drawing



ERP

MS855ZXX110001



Cut out

ERP

MS861N00140019

MS861-2B



Main material and finish: PA housing and handle, white zinc plated ZDC rod latch, white zinc plated steel rod and screws
Remark: Handle with password
Default key K140

Performance parameter:
Handle load tension capability: ≤60N
Handle load torque capability: ≤5N.m

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

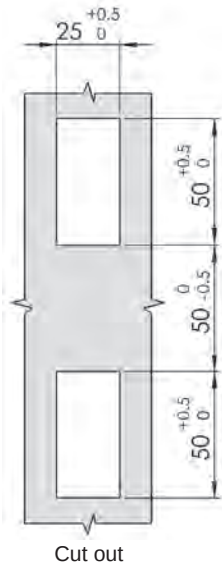
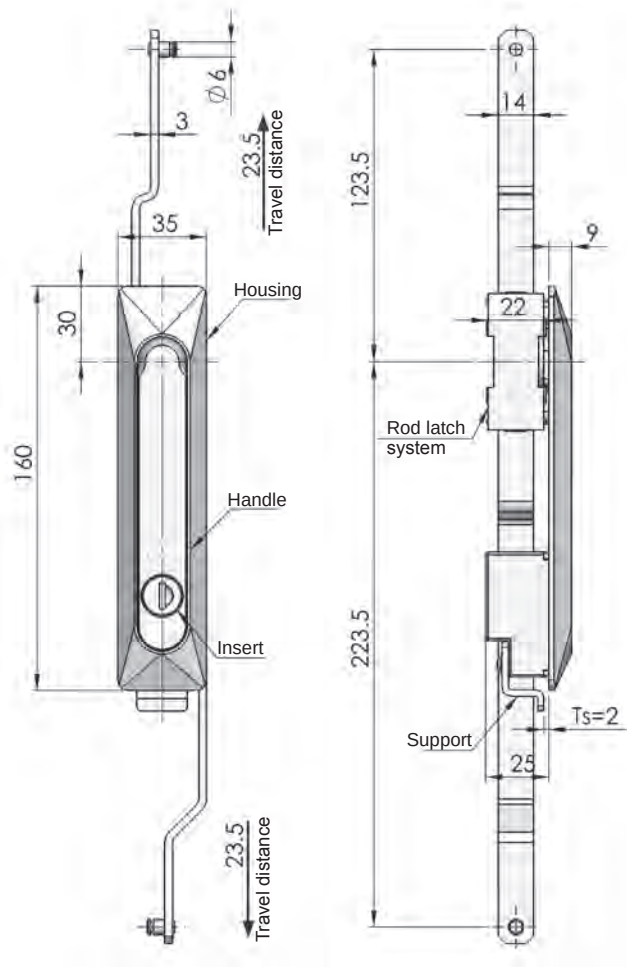
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS861-2E



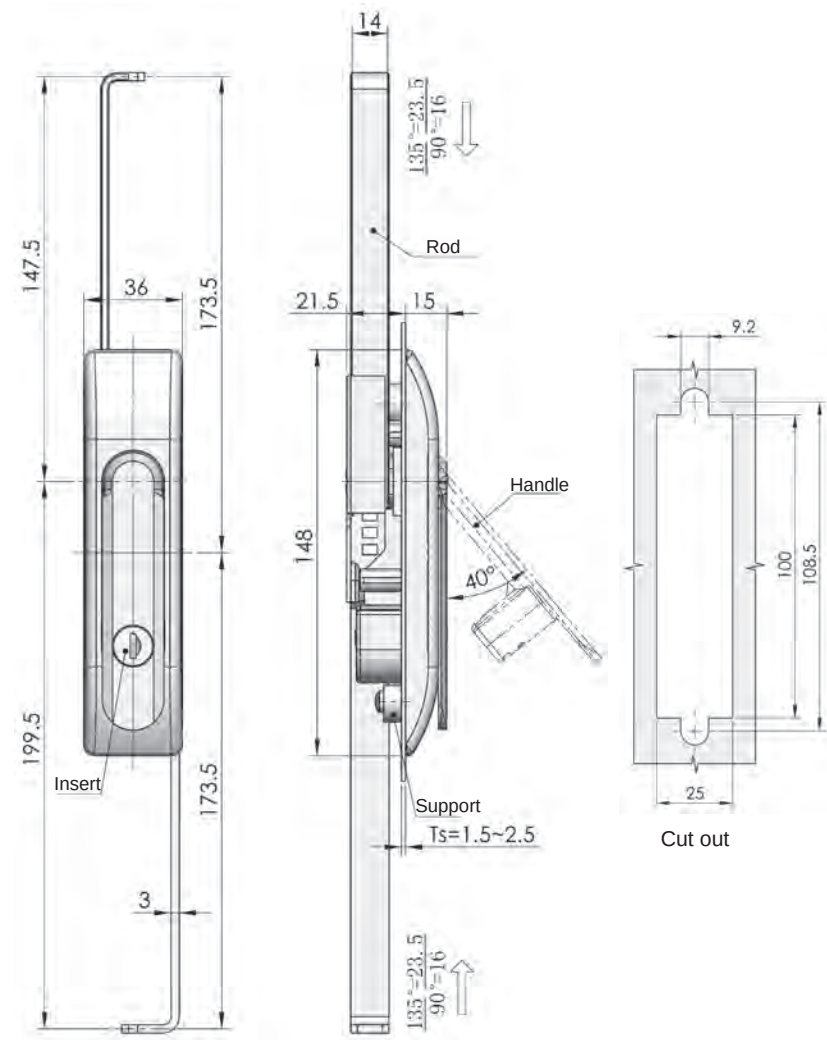
Main material and finish: PA housing, Black powder coated ZDC handle, white zinc plated ZDC shaft and insert, white zinc plated steel rod latch and cam
Application: 135 degree handle rotation to open or close, padlock device for choose

Performance parameter:
Handle load tension capability: ≤290N
Handle load torque capability: ≤22N.m



ERP

MS861Z2A140001



MS865



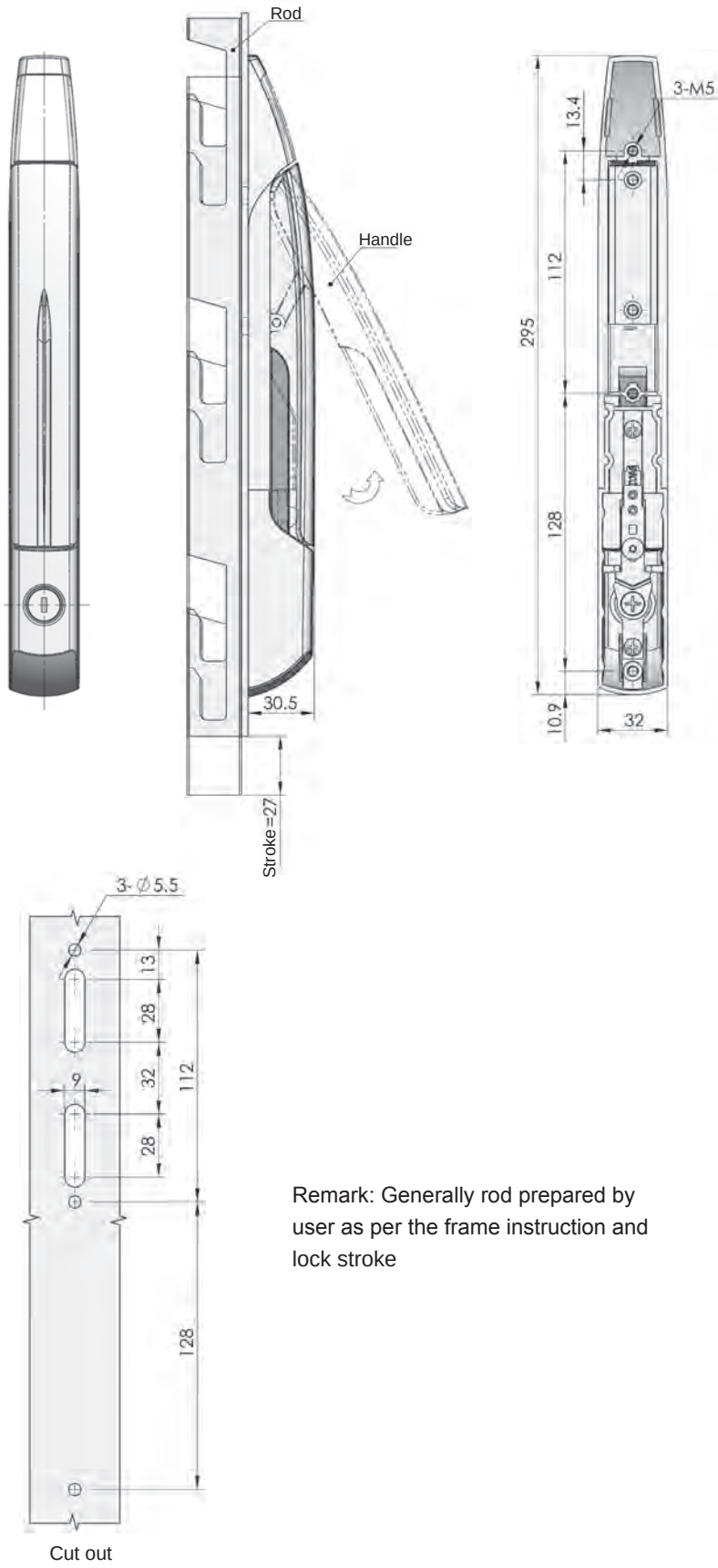
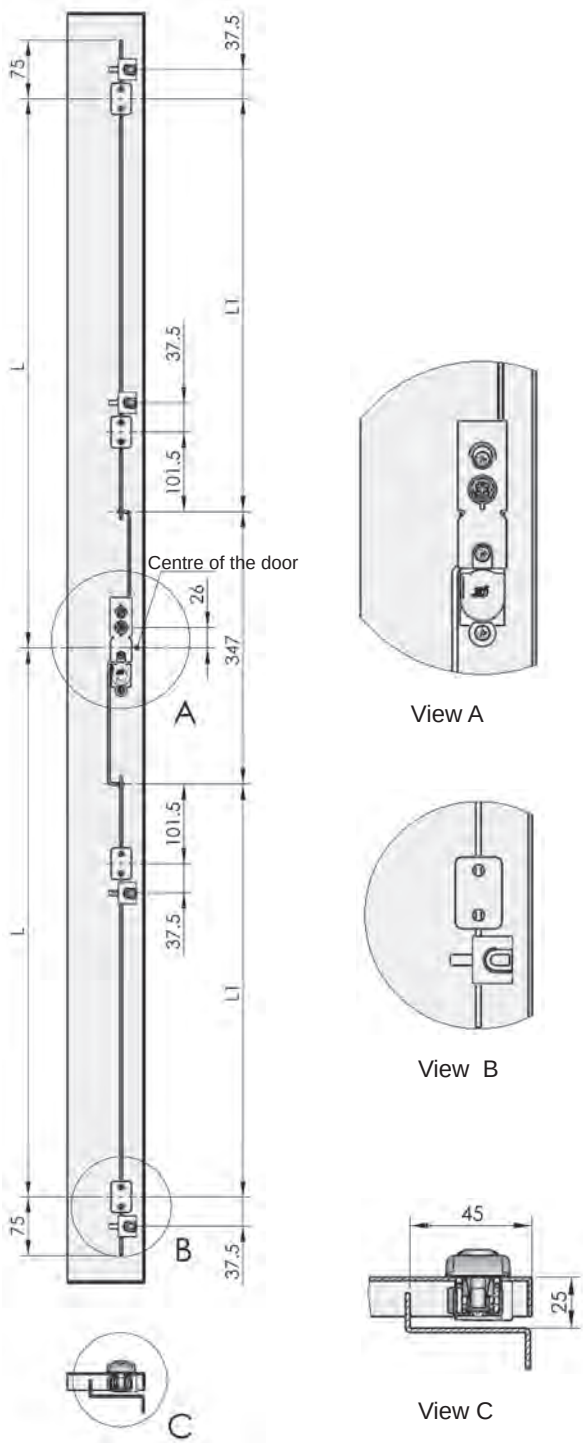
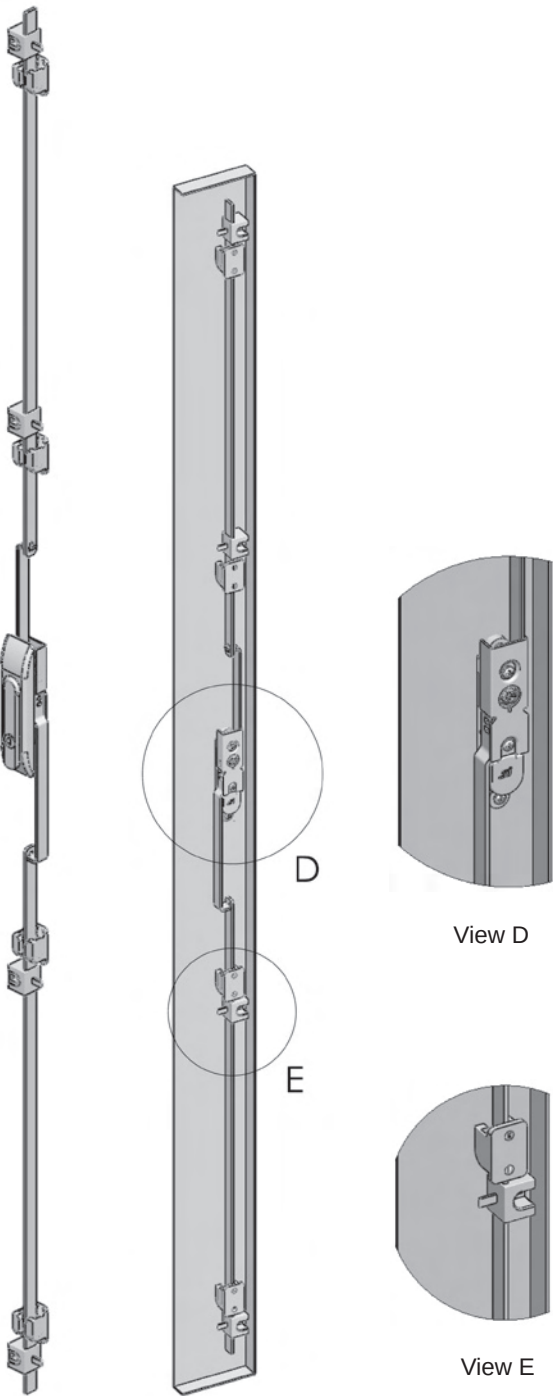
Main material and finish: Black PA housing, pocked black powder coated ZDC handle, white zinc-plated steel rod
Application: Handle quarter-turn combines with rod latch system to open or close
Remark: Default Key K140

Performance parameter:
Handle load tension capability: ≤195N
Handle load torque capability: ≤10N.m

Specification	Model	ERP
PA housing and handle	MS865-1	MS865N00140002
PA housing and pocked coated ZDC handle	MS865-1A	MS865N00140006

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Mb95 rod latch system



MS867



Main material and finish: Yellow gray powder coated ZDC handle and housing, white zinc-plated ZDC rod
Application: Handle rotation to open or close rapidly, easy assembling
Remark: Default Key K082

Performance parameter:
Handle load tension capability: ≤490N

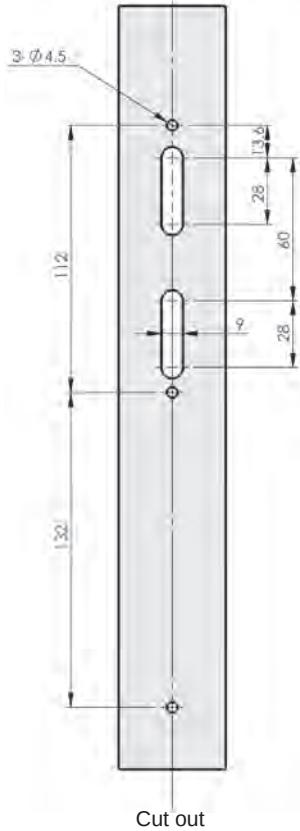
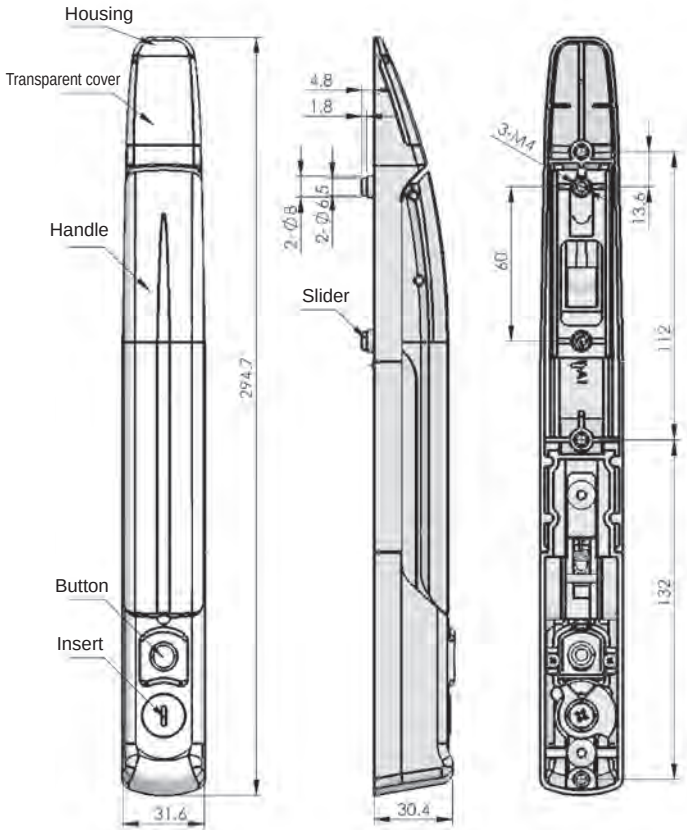
MS867-8



Main material and finish: RAL7035 ZDC housing, handle and button, zinc plated slider.

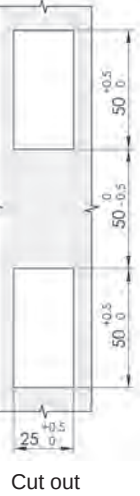
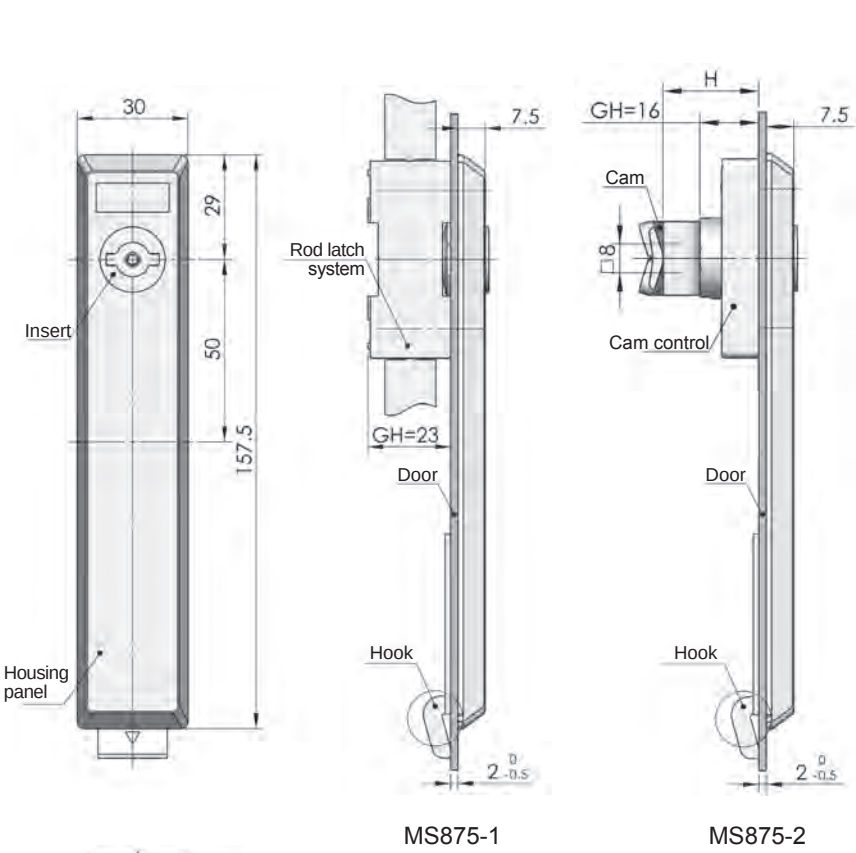
Application: Turn the key and press the button, the handle can automatically pop up, thus driving the slider to move and open the door

Remark: Default Key K14
Rod structure is same as MS867



ERP

MS867Z2A140001



Cut out



Specification	Rod latch system		Cam latch system		Optional key
	Model	ERP	Model	ERP	
Double bit	MS875-1-1	MS875N00T02014	MS875-2-1	MS875N00T02013	K15-1A、K15-1F
Triangular 8mm	MS875-1-2	MS875N00T04001	MS875-2-2	MS875N00T04003	K15-3、K15-3F
Square 7mm	MS875-1-3	MS875N00T06001	MS875-2-3	MS875N00T06003	K15-6、K15-6F
Square 8mm	MS875-1-4	MS875N00T07001	MS875-2-4	MS875N00T07003	K15-4、K15-4F

MS875-1
MS875-2



Main material and finish: Black PA panel, steel cam and rod , bright chrome-plated ZDC insert

Application: Insert quarter-turn combines with rod latch system to open or close

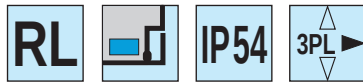
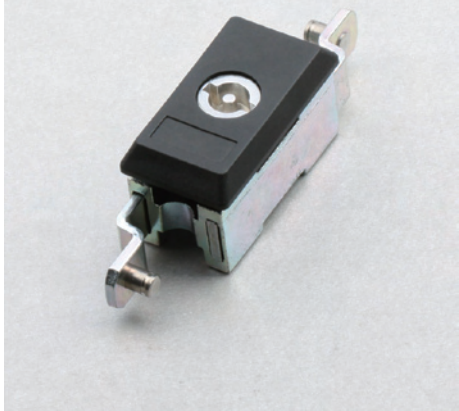
Remark: Default Key K15

Default cam:S1B45Y07005 (Cam type)

Performance parameter:
Maximum Input torque: ≤10N.m

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

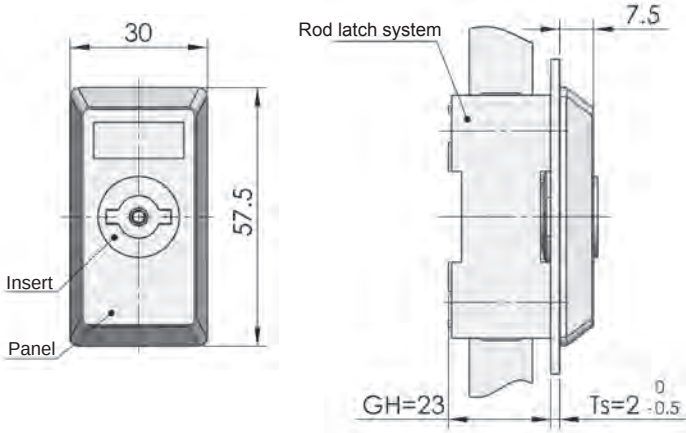
MS875-1A
MS875-2A



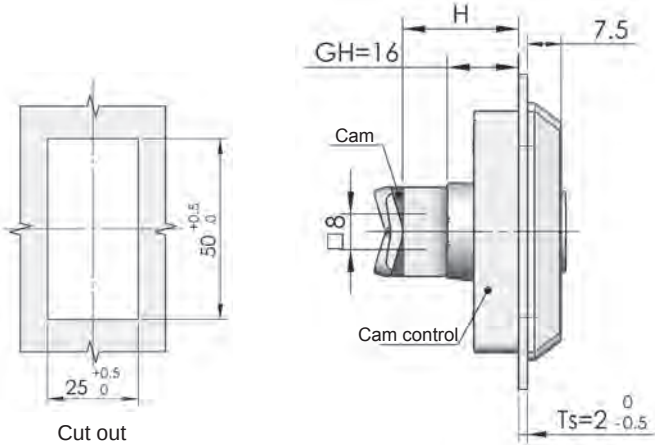
Main material and finish: Black PA panel, bright chrome-plated ZDC insert, white zinc-plated steel cam and rod
Application: Insert quarter-turn combines with rod latch system to open or close
Remark: Default Key K15 series

Default cam: S1B45Y07002 (Cam type)

Performance parameter:
Maximum Input torque: ≤10N.m

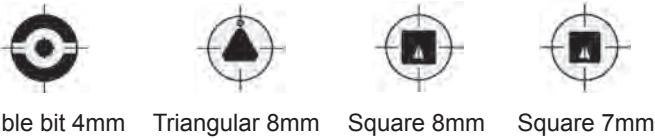


MS875-1A

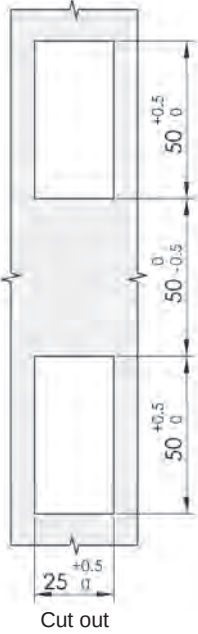
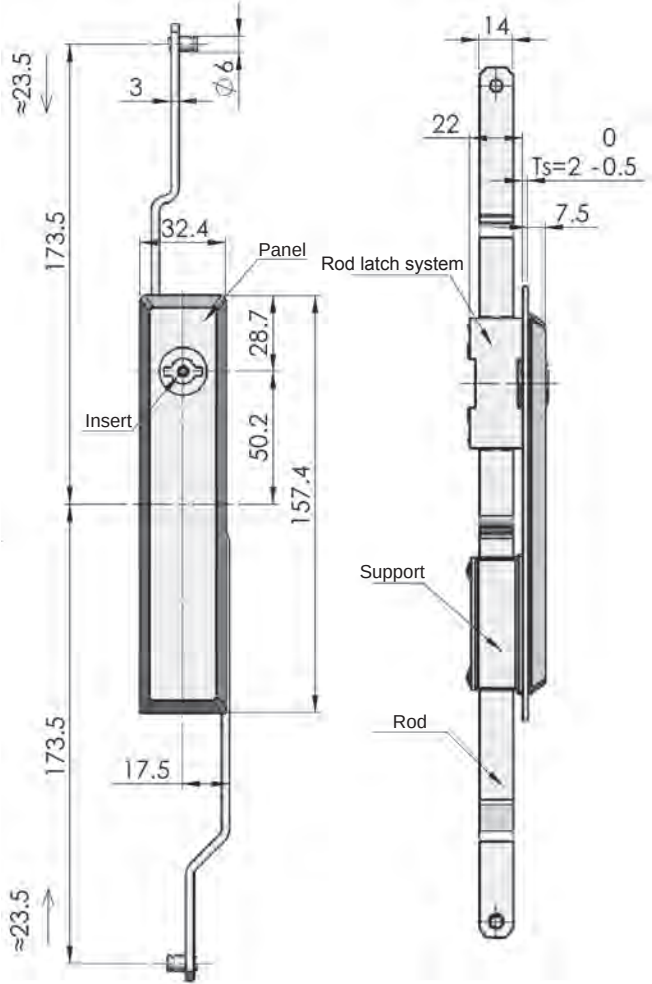


MS875-2A

Optional Accessories:
See cam latch system Mb9 series on P174
Rod latch system Mb5 series on P192



Specification	Rod latch system		Cam latch system		Optional key
	Model	ERP	Model	ERP	
Double bit	MS875-1A-1	MS875N00T03001	MS875-2A-1	MS875N00T02019	K15-1A、K15-1F
Triangular 8mm	MS875-1A-2	MS875N00T04002	MS875-2A-2	MS875N00T04008	K15-3、K15-3F
Square 7mm	MS875-1A-3	MS875N00T06002	MS875-2A-3	MS875N00T06004	K15-6、K15-6F
Square 8mm	MS875-1A-4	MS875N00T07002	MS875-2A-4	MS875N00T07004	K15-4、K15-4F



Cut out

ERP MS875N00T01002
Remark: Default cam S1B3011D

MS875-3



Main material and finish: PA housing and panel, Zinc-plated steel cam and rod, chrome-plated ZDC insert
Application: Insert 90° rotation combines with rod latch system to open or close
Remark: Optional K15 series tool key

Performance parameter:
Maximum Input torque: ≤10N.m

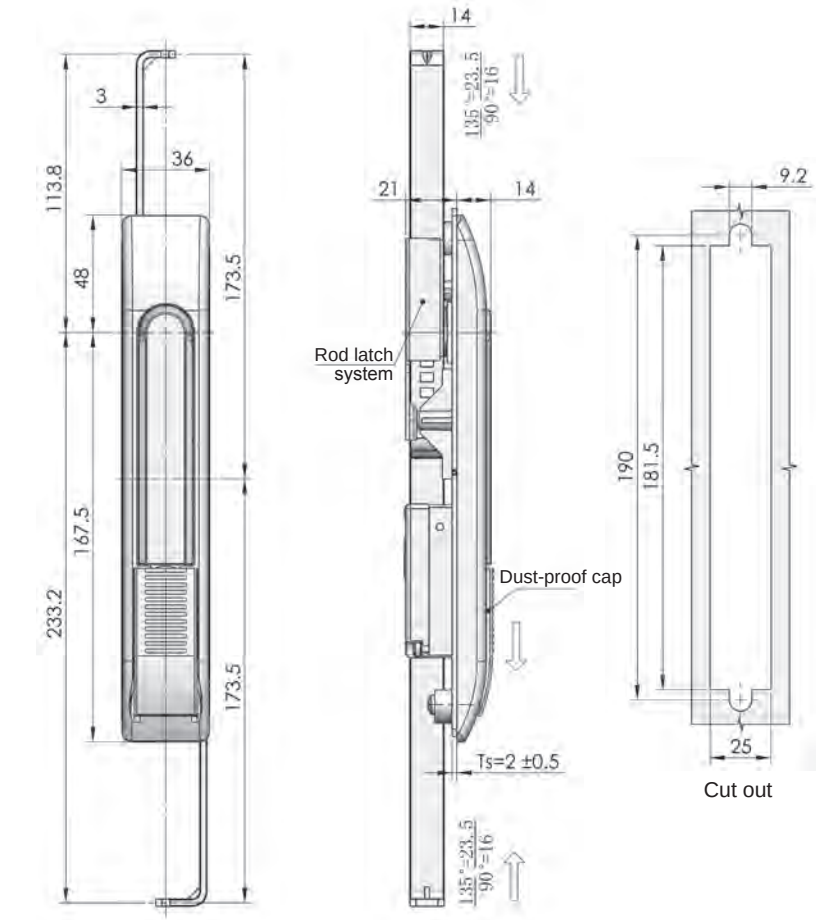
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket



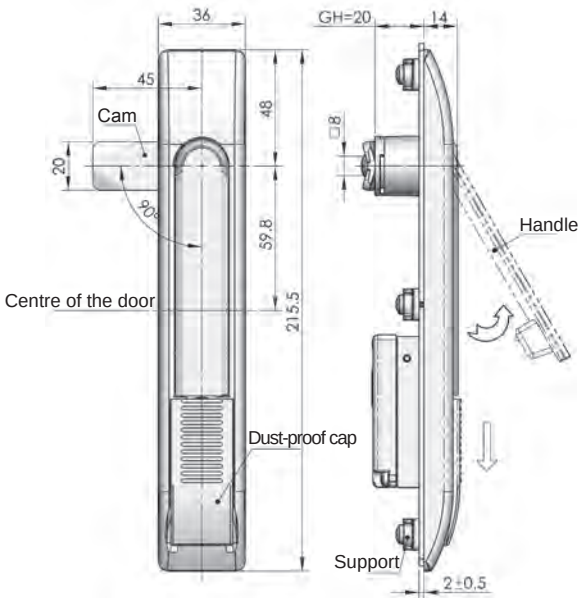
Main material and finish: Black PA housing, bright chrome plated ZDC handle, white zinc-plated steel rod
Application: Handle rotation combines with rod latch to open or close
Remark: Default key K140

Default cam: S1B45Y07002 (Cam type)

Performance parameter:
Handle load tension capability: $\leq 490\text{N}$
Handle load torque capability: $\leq 26\text{N.m}$

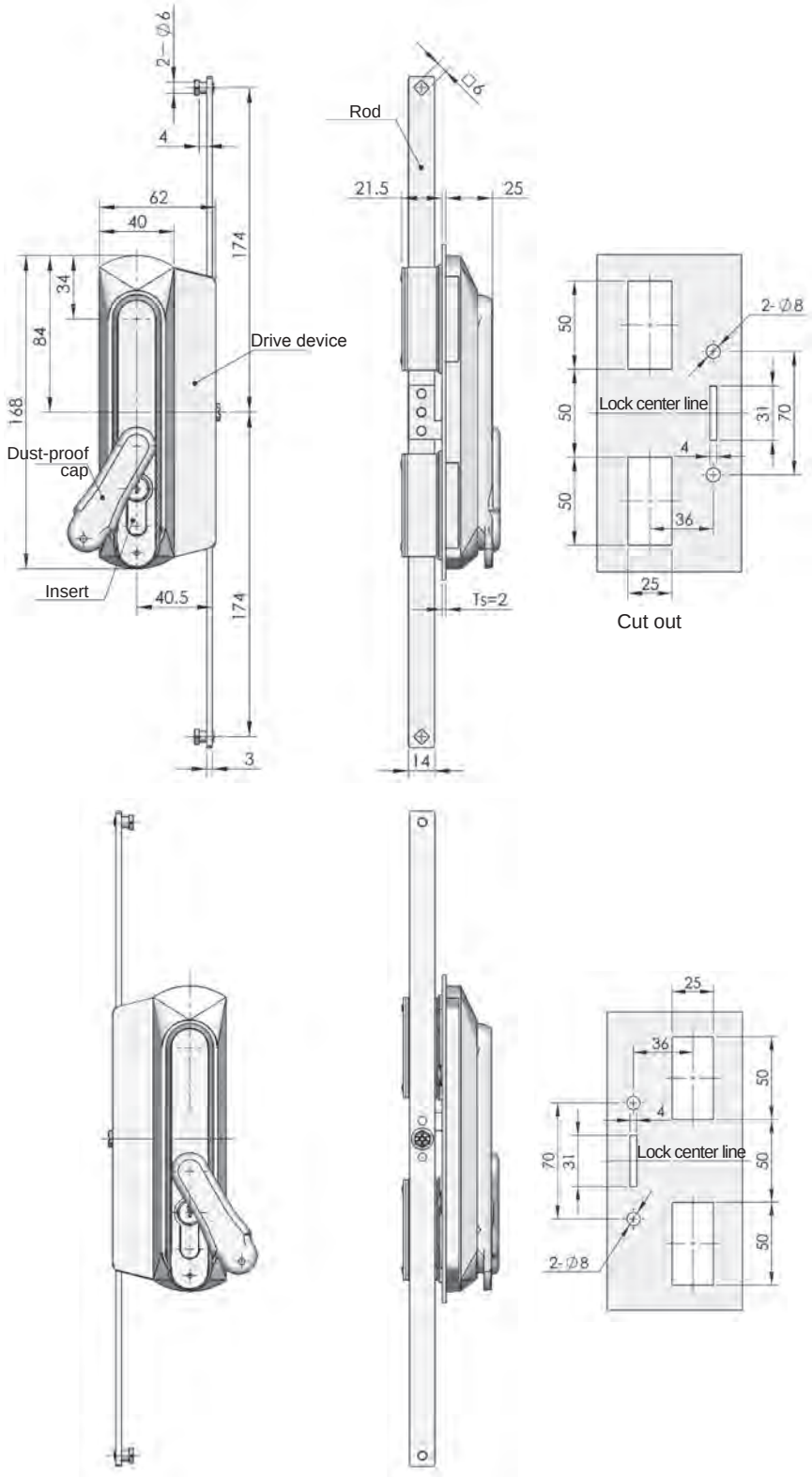


MS876-1



MS876-2

	MS876-1	MS876-2
ERP	MS876N00140014	MS876N00140010



Remark: Change the drive device position to realize LH or RH

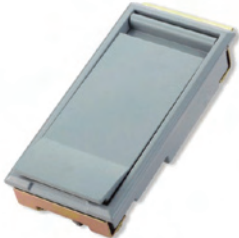
Specification	Model	ERP
With dust-proof cap handle and TC series insert	MS882-1A	MS882N00140003
With simple insert handle	MS882-1B	MS882N00140006
With simple insert handle and buckle	MS882-1C	MS882N00140004
With sliding dust-proof cap and TC series insert	MS882-1D	MS882N00140005

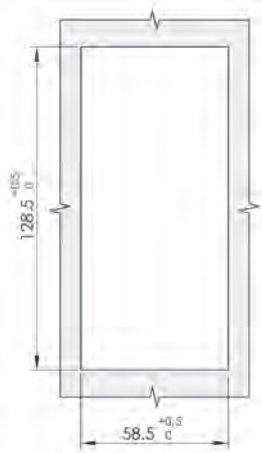
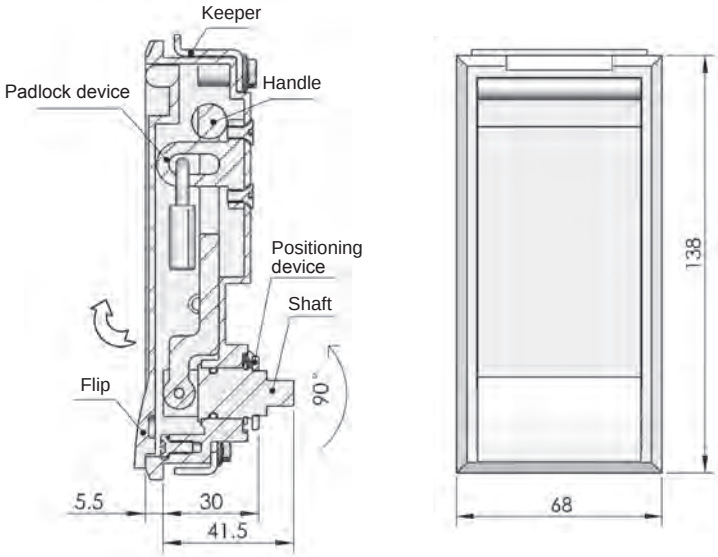


Main material and finish: Black PA lock body, white zinc-plated steel rod
Remark: Default key K140

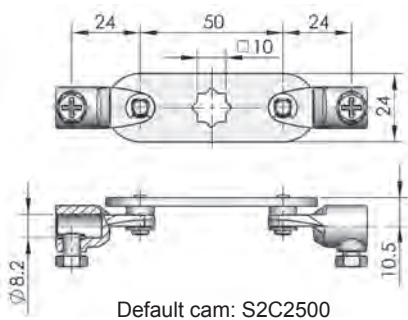
Performance parameter:
Handle load tension capability: $\leq 330\text{N}$
Handle load torque capability: $\leq 30\text{N.m}$

PANEL LOCK SERIES

 MS850-1A	 MS850-2	 MS856	 MS857
 MS866-1	 MS866-3	 MS866-4	 MS866-5
 MS866-7	 MS866-8	 MS866-21	 MS866-22
 MS866-29	 MS870	 MS870-2	 MS982-3



Cut out



ERP MS850A1D000001

MS850-1A



Main material and finish: Gray powder coated ALU housing, handle and cover, ZDC padlock device, zinc-plated steel shaft and keeper

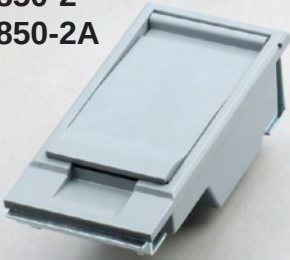
Default cam: 2893250016

Performance parameter:
Handle load torque capability: ≤18N.m

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS850-2
MS850-2A

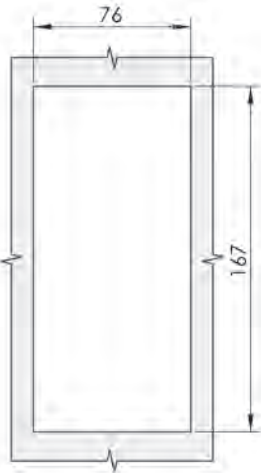
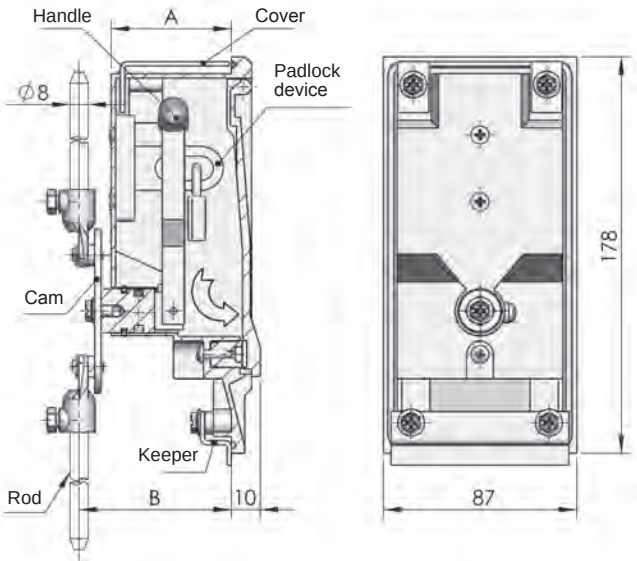


2PL

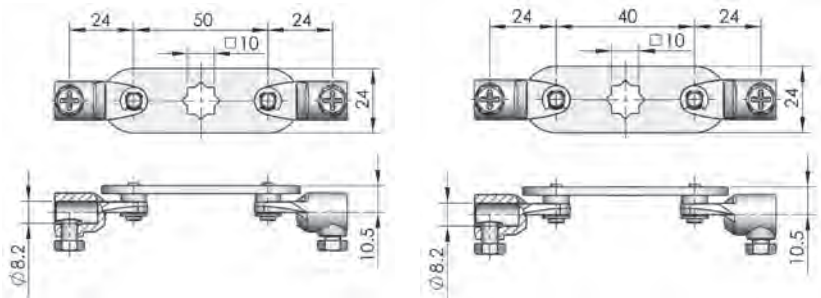
Main material and finish: Gray powder coated ALU housing, handle, padlock device, cover and shaft, zinc-plated steel cam and keeper

Default cam: 2893250016

Performance parameter:
Handle load torque capability: ≤25N.m



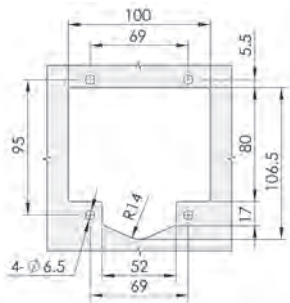
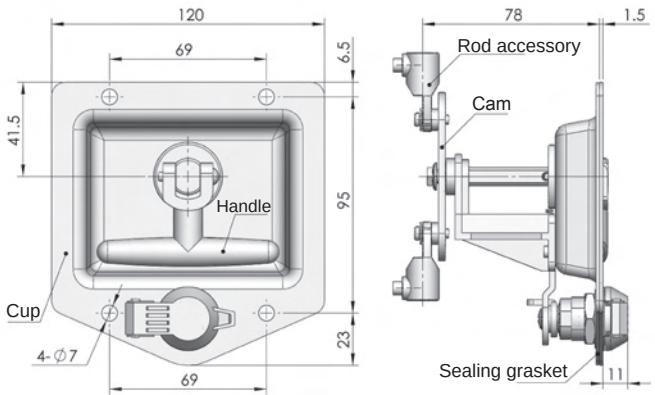
Cut out



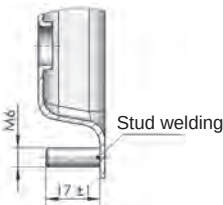
Default cam: S2C2500

Optional cam S2C2000

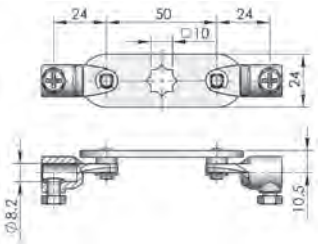
Item	ERP	Specification	
		A	B
MS850-2	MS850A1D000007	54	69
MS850-2A	MS850A1D000008	44	59



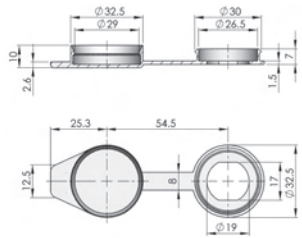
Cut out



Optional cup



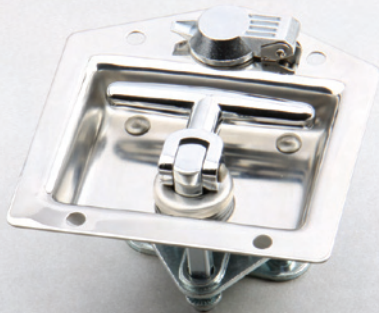
Default cam S2C2500



WP003 water-tight cap (Optional)

ERP	MS856 Hole type	MS856-M Screw bolt type
	MS856S4A130001	MS856S4A130002

MS856



2PL

Main material and finish: Mirror polished stainless steel cup, bright chrome-plated ZDC handle, shaft tube and dust-proof cap, white zinc-plated ZDC bracket, steel cam and shaft

Remark: Default key K130

Default cam: 2891250002

Performance parameter:
Handle load torque capability: ≤24N.m

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

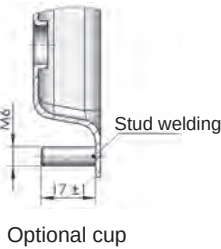
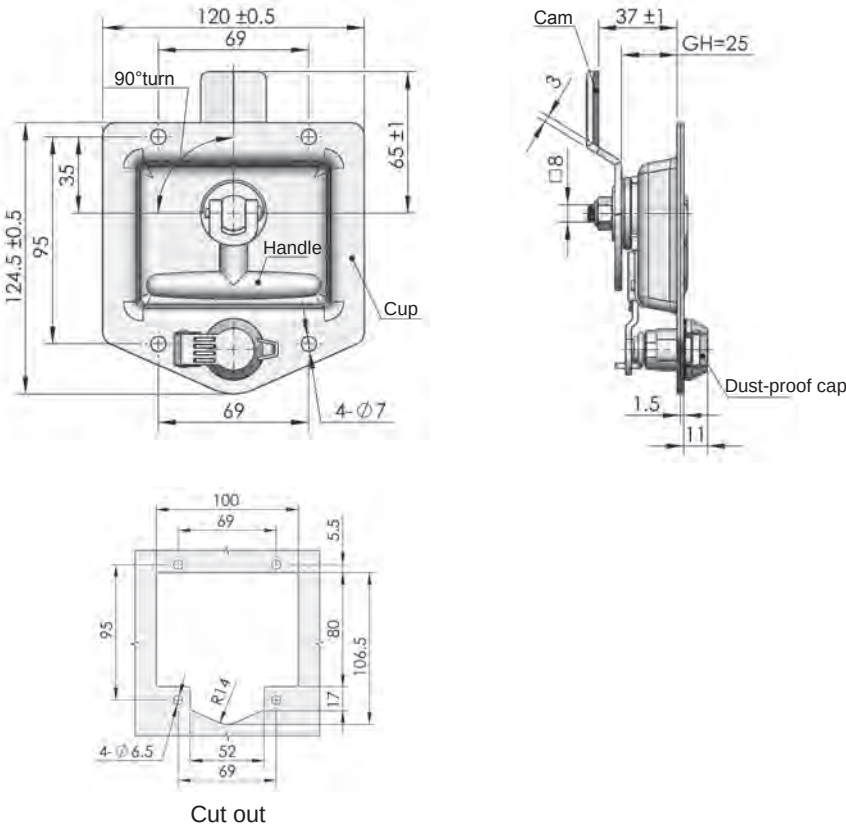
MS857



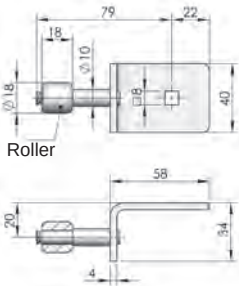
Main material and finish: Mirror polished stainless steel cup, cam and shaft tube, bright chrome-plated ZDC handle, shaft tube and dust-proof cap
Remark: Default key K130

Default cam: S3B65Y13001

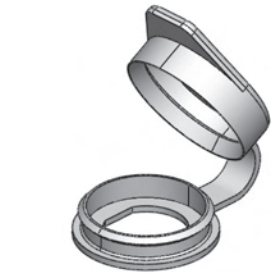
Performance parameter:
Handle load torque capability: ≤14N.m
Cam loading capability: ≤510N



Optional cup

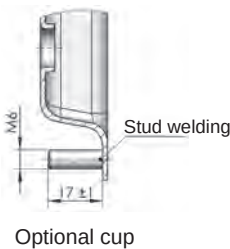
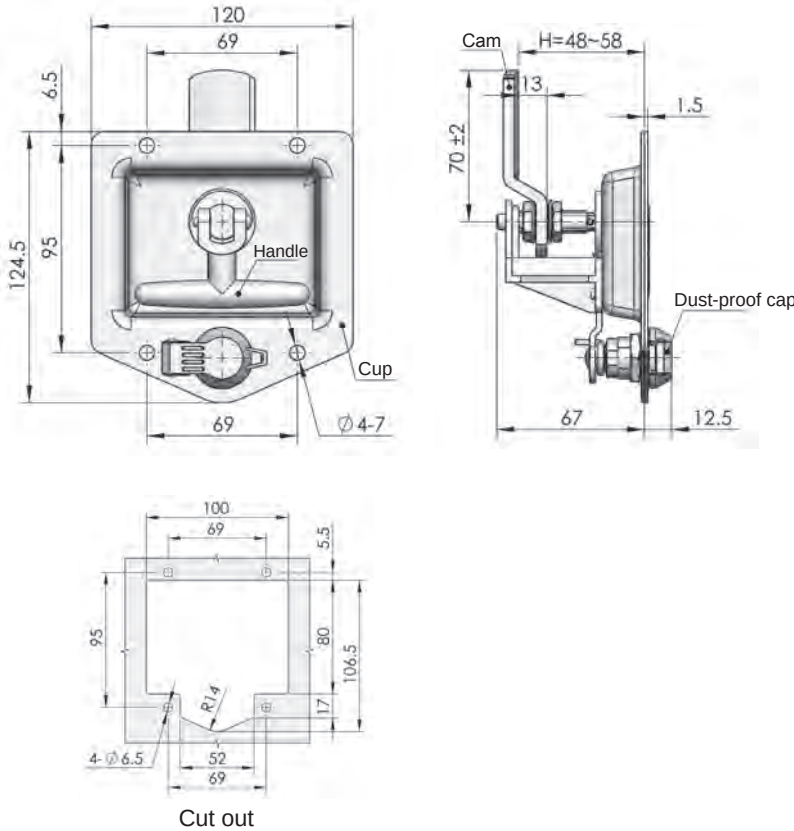


Optional cam S1B1179D

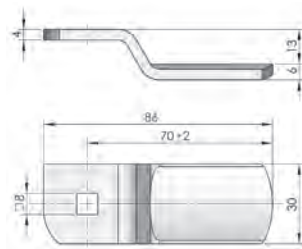


Optional WP003 water-tight cap

	MS857 Hole type	MS857-M Screw bolt type
ERP	MS857S4A130001	MS857S4A130033



Optional cup



Default cam S1B7013D



Optional WP003 insert water-tight cap

	MS858 Hole type	MS858-M Screw bolt type
ERP	MS858S4A130001	MS858S4A130002

Remark : ERP excludes Cam

MS858



Main material and finish: Mirror polished stainless steel cup and cam, bright chrome-plated ZDC handle, shaft tube and dust-proof cap, white zinc-plated ZDC bracket and steel shaft
Remark: Default key K130

Default cam: S1B70Y13002

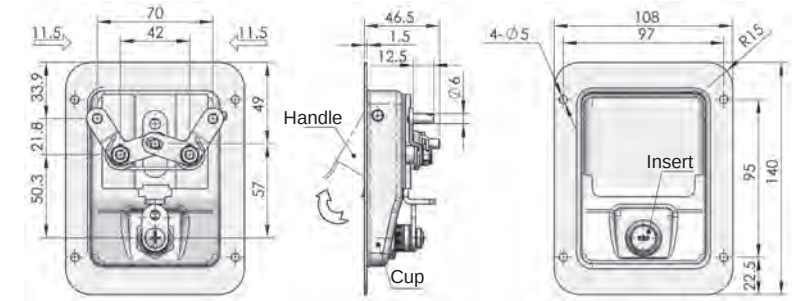
Performance parameter:
Handle load torque capability: ≤27N.m
Cam loading capability: ≤510N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS866-1



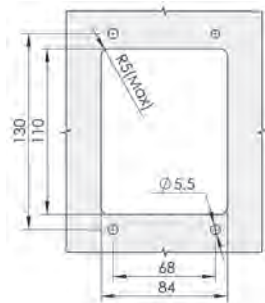
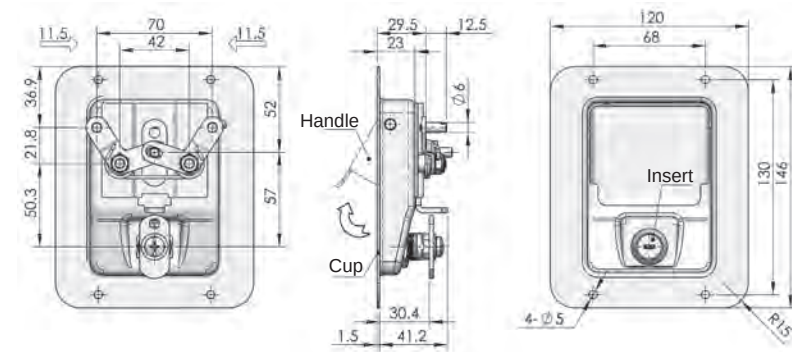
MS866-1



MS866-2

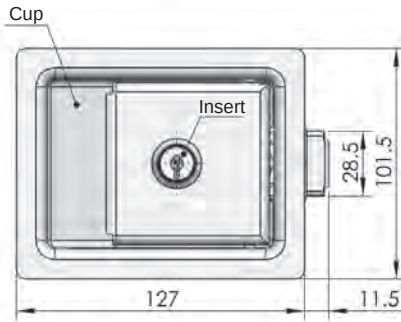
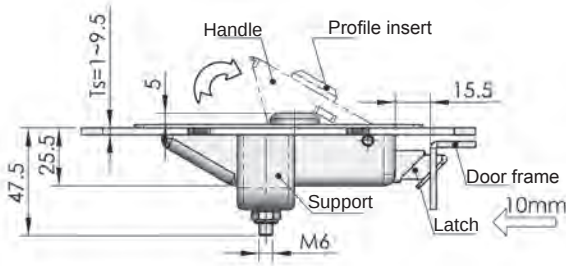


MS866-2

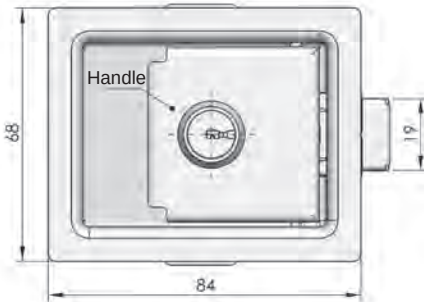
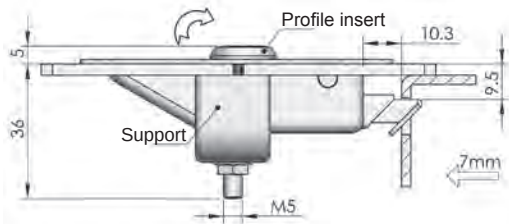


Cut out

	MS866-1	MS866-2
ERP	MS866S4A082001	MS866S4A082002



Specification	Without insert		With insert	
	Model	ERP	Model	ERP
Steel	MS866-3A	MS866F1A000006	MS866-3	MS866F1A160001
SUS	MS866-3SA	MS866S4A000005	MS866-3S	MS866S4A160003



Specification	Model	ERP
With insert	MS866-4	MS866F1A330001
Without insert	MS866-4A	MS866F1A000001

MS866-3



Main material and finish: Silk black steel cup, handle and ZDC profile insert, zinc-plated steel latch and support
Remark: Default key K160

Performance parameter:
Handle load tension capability: ≤160N
Cam loading capability: ≤800N

MS866-4



Main material and finish: Silk black steel cup and handle, sand blast and nickel-plated ZDC profile insert, zinc-plated steel latch, support and riveting screw
Remark: Default key K330

Performance parameter:
Handle load tension capability: ≤200N
Cam loading capability: ≤550N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS866-5



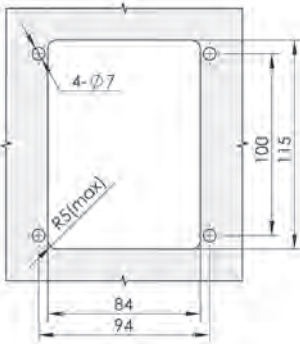
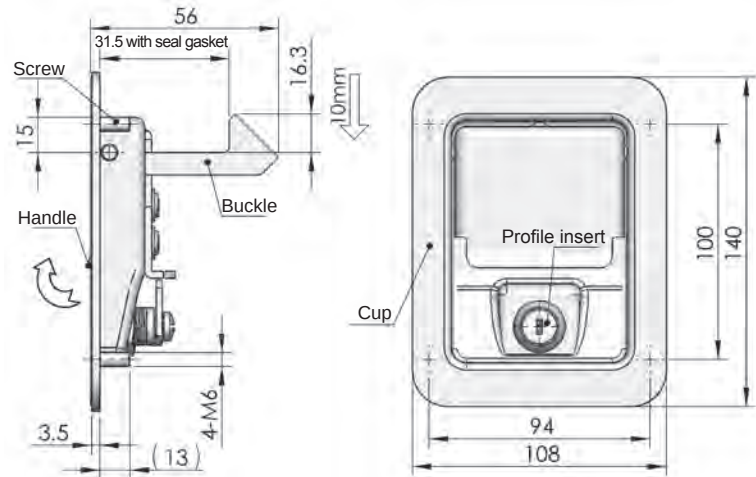
Main material and finish: Silk black steel cup and handle, nickle-plated ZDC profile insert, zinc-plated steel latch, support and weld screw

Remark: Default key K082

Performance parameter:

Handle load tension capability: ≤145N

Cam loading capability: ≤800N

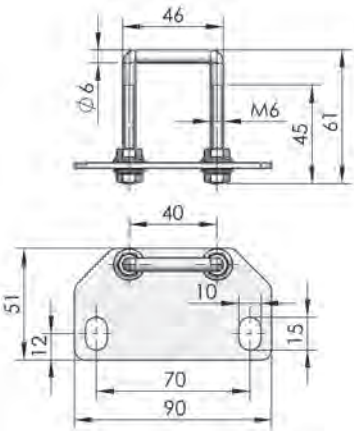


Cut out

Remark: default product is without keeper

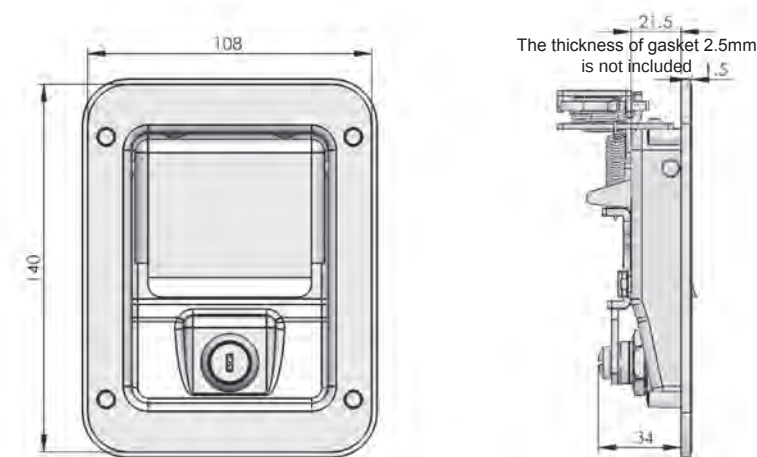
Specification	Without insert		With insert	
	Model	ERP	Model	ERP
H=31.5	MS866-5	MS866F1A080001	MS866-5A	MS866F1A000003
H=44	MS866-5B	MS866F1A080002	MS866-5BA	MS866F1A000004
H=55	MS866-5C	MS866F1A080003	MS866-5CA	MS866F1A000005

Pull buckle

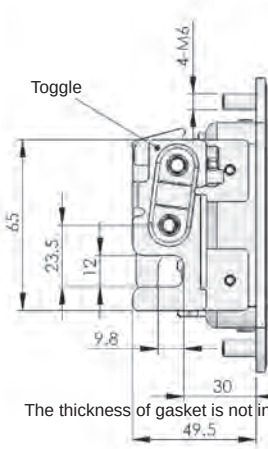
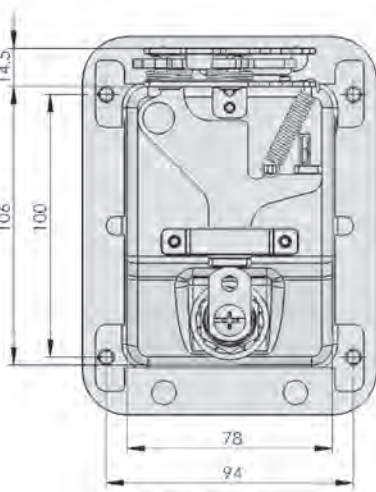


ERP

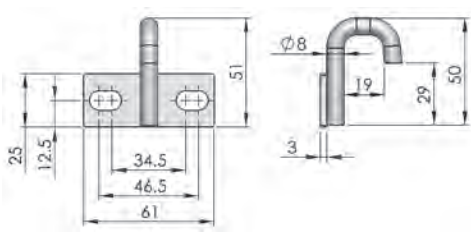
2138665001



The thickness of gasket 2.5mm is not included



The thickness of gasket is not included



Latch 1



Latch 2

The dimension of Latch 1 and Latch 2 are the same, the welding direction is different

ERP

MS866F1A490001

MS866-5E



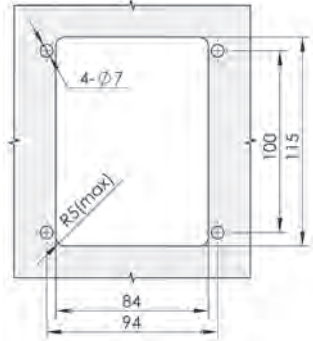
Main material and finish: Silk black steel cup, handle, chrome plated ZDC insert, stainless steel cover

Application: The drawing shows in locked position, turn the key and open insert, the handle pulls 20° up to open buckle by anti-loose structure, it can automatic reset .

Remark: There is catcher available, default one is without catcher.Default key is K49, key different available

Performance parameter:

Handle load tension capability: ≤145N

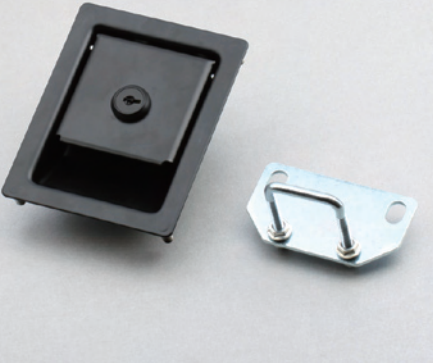


Cut out

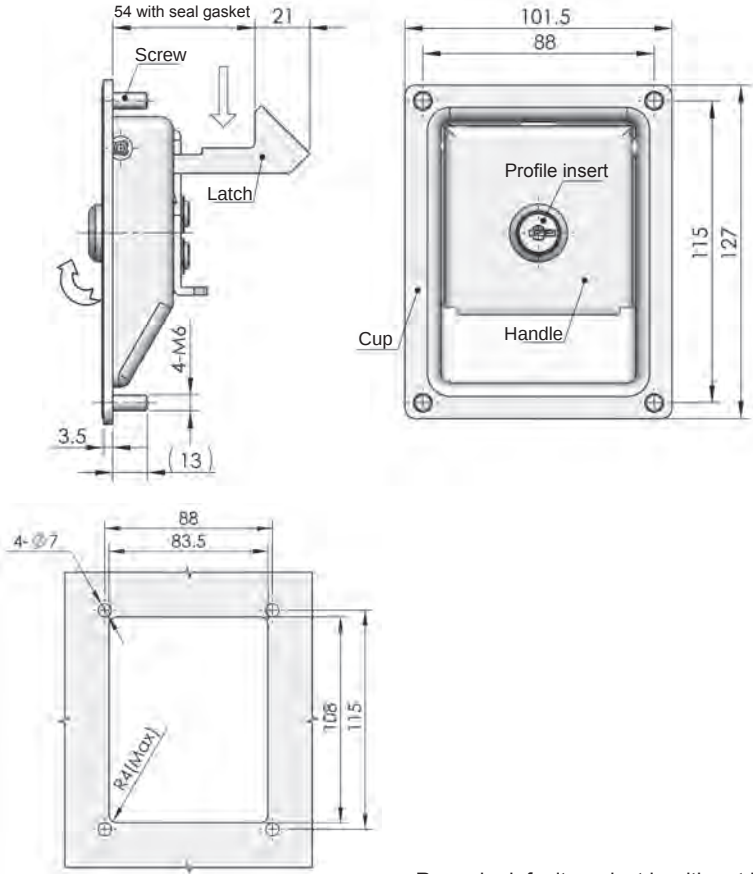
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS866-6



Main material and finish: Silk black steel cup, handle and ZDC profile insert, zinc-plated steel latch, support and weld screw
Remark: Default key K160

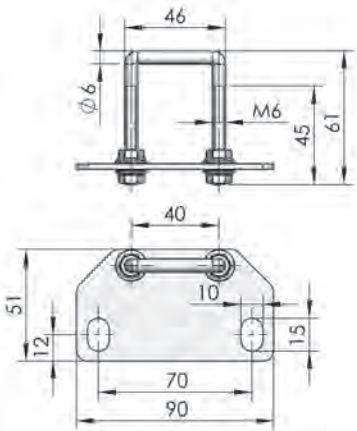


Cut out

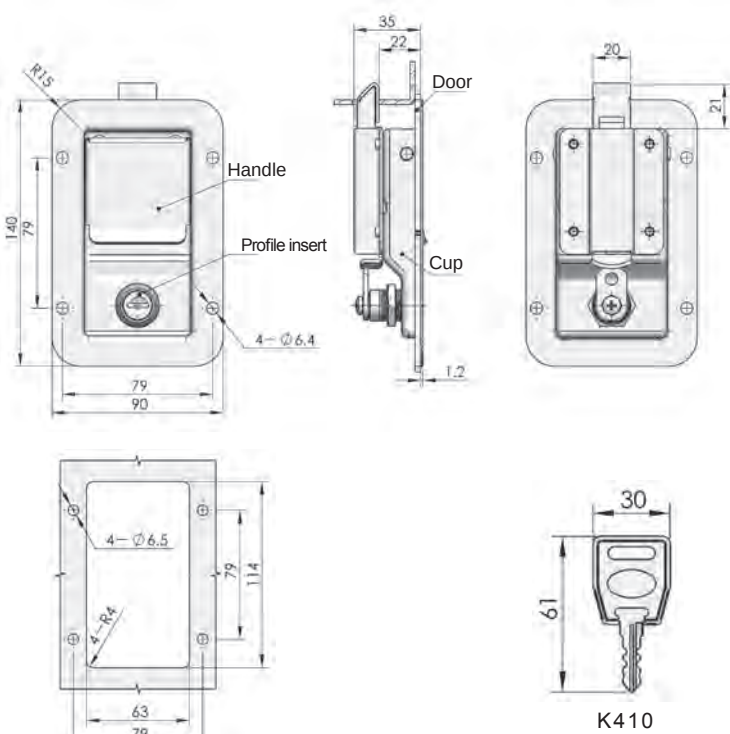
Remark: default product is with out keeper

	With insert		Without insert	
	Model	ERP	Model	ERP
H=30.5	MS866-6	MS866F1A160004	MS866-6A	MS866F1A000011
H=43	MS866-6B	MS866F1A160003	MS866-6BA	MS866F1A000010
H=54	MS866-6C	MS866F1A160002	MS866-6CA	MS866F1A000009

Pull buckle

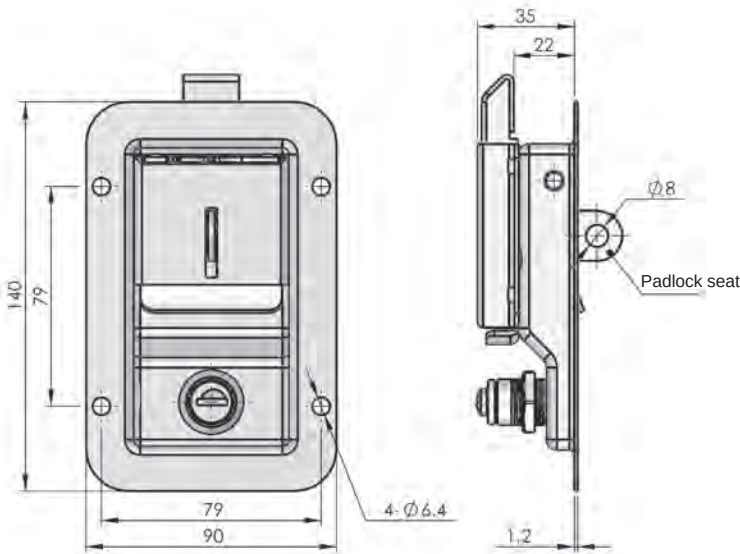


ERP 2138665001



Cut out

	MS866-7 With insert	MS866-7A Without insert
ERP	MS866S4A410001	MS866S4A000004



ERP MS866S4A410004

MS866-7



Main material and finish: Stainless steel cup, handle, latch and cam, bright chrome-plated profile insert
Remark: Default key K410

Performance parameter:
Handle load tension capability:≤150N
Cam loading capability: ≤550N

MS866-7-1P



Main material and finish: Stainless steel cup, handle
Finish: Mirror polished cup and handle

Performance parameter:
Handle load tension capability:≤150N
Cam loading capability: ≤550N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

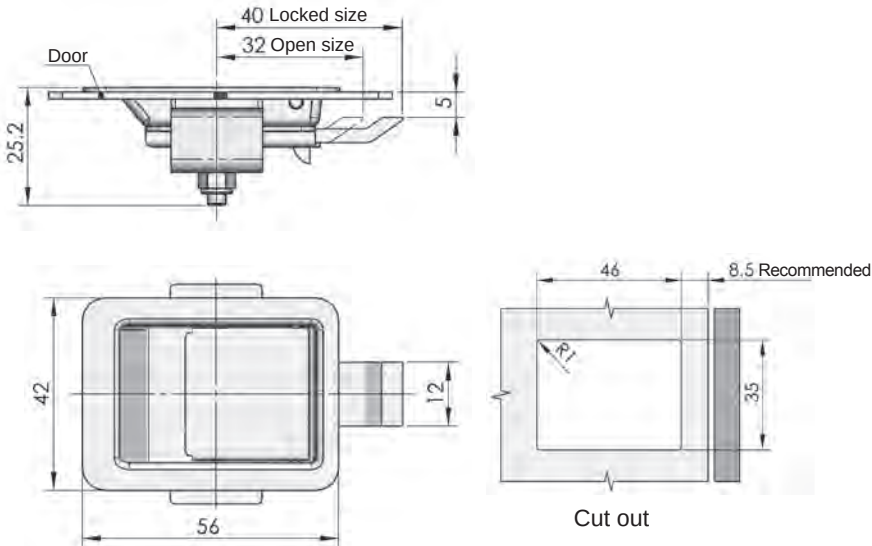
MS866-8



Main material and finish: Wire-drawing polished stainless steel

Performance parameter:

Handle load tension capability: ≤50N
Cam loading capability: ≤200N



ERP

MS866S4B000001

MS866-22

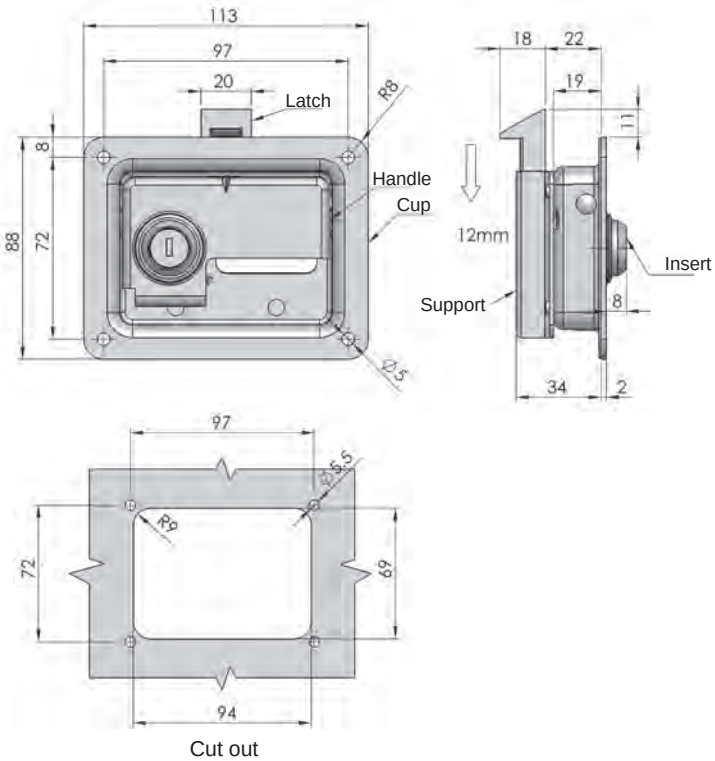


Main material and finish: Mirror polished stainless steel cup and handle (steel in nanometer painting available), white zinc plated latch and support.

Remark: Default key K53

Performance parameter:

Handle load tension capability: ≤200N
Cam loading capability: ≤500N



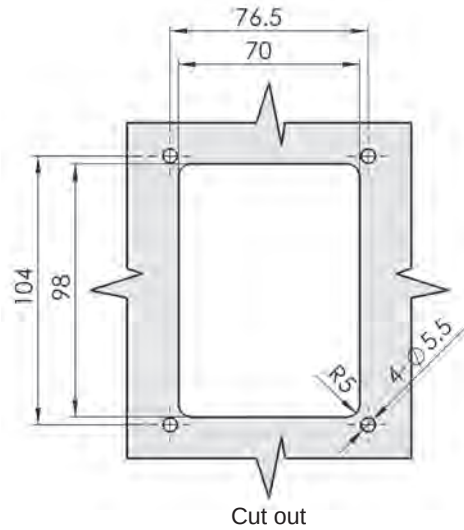
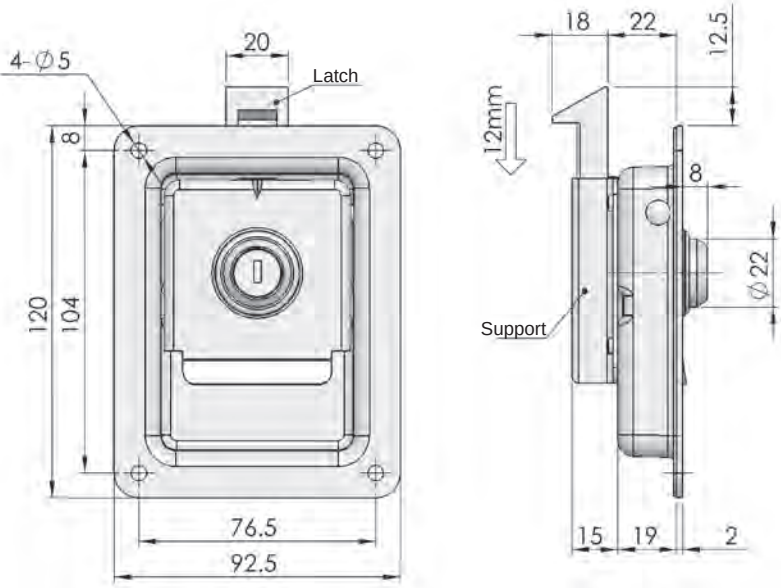
ERP

MS866-22

MS866-22S

MS866F2B530002

MS866S4A530002



ERP

MS866-21

MS866-21S

MS866F2B530001

MS866S4A530001

MS866-21



MS866-21S



Main material and finish: Stainless steel (or steel) cup, handle, white zinc plated latch and support

Remark: Default key K530

Performance parameter:

Handle load tension capability: ≤200N
Cam loading capability: ≤1000N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

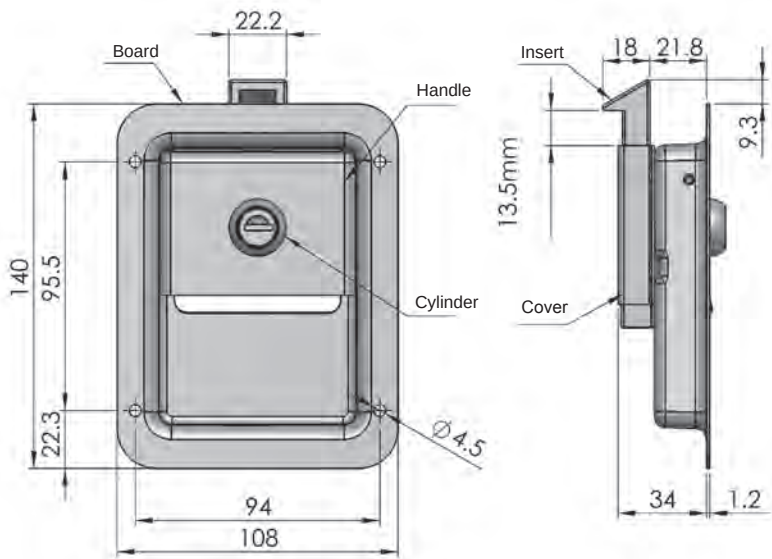
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS866-26



Main material: Stainless steel lock body and handle zamak cam, steel cover
Finish: Mirror polished lock body and handle White zinc plated cover and cam
Remark:Optional insert, Key K13

Performance parameter:
Handle load tension capability:≤180N
Cam loading capability: ≤1000N



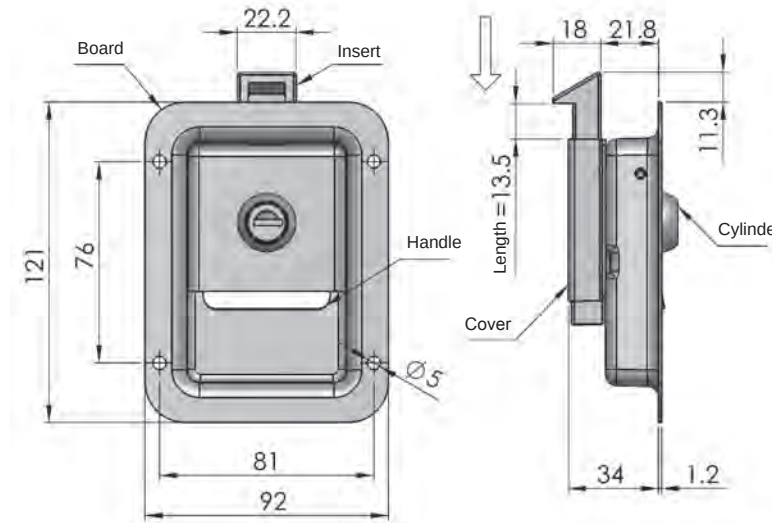
Model	MS866-26	MS866-26A(Without cylinder)
ERP	MS866S4A130001	MS866S4A000007

MS866-27

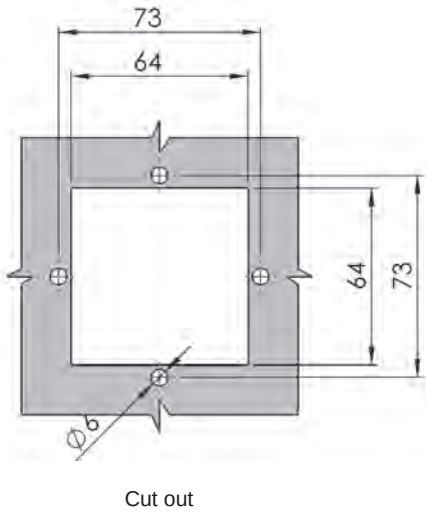
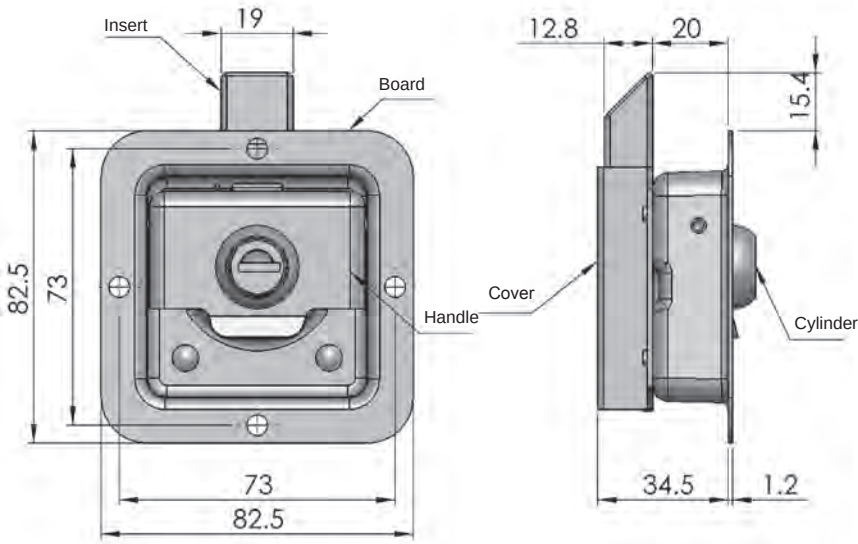


Main material: Stainless steel handle and lock body Zamak cam, steel cover
Finish: Mirror polished handle and lock body, white zinc plated steel cam
Remark:Optional insert, Key K13

Performance parameter:
Handle load tension capability:≤180N
Cam loading capability: ≤1000N



Model	MS866-27	MS866-27A(Without cylinder)
ERP	MS866S4A130003	MS866S4A000008



Model	MS866-28	MS866-28A(Without cylinder)
ERP	MS866S4A130002	MS866S4A000009

MS866-28



Main material: Stainless steel handle and lock body zamak cam, steel cover
Finish: Mirror polished handle and lock body white zinc plated cam and cover
Remark: Optional insert, default key K13

Performance parameter:
Handle load tension capability:≤180N
Cam loading capability: ≤1000N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

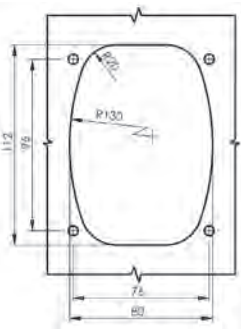
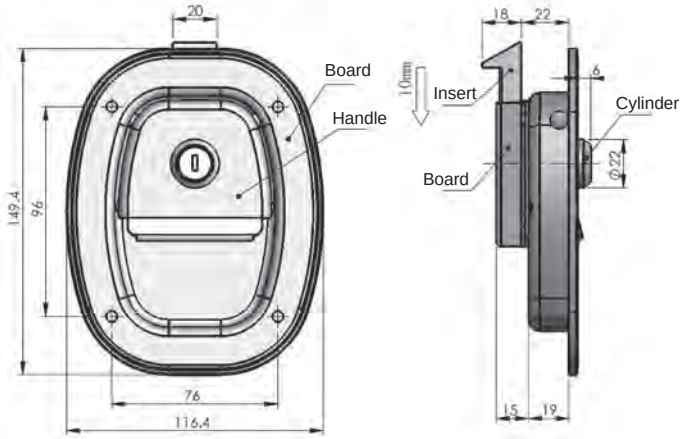
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

MS866-29



Main material: Stainless steel lock body and handle Zamak cam, insert,others are steel
Finish: Mirror polished handle and lock body , Bright chrome plated insert housing,other parts in steel with white zinc plated
Remark: Default key K53

Performance parameter:
Handle load tension capability:≤200N
Cam loading capability: ≤1000N



Cut out

ERP

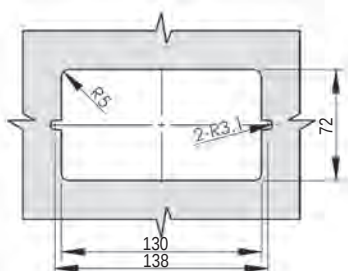
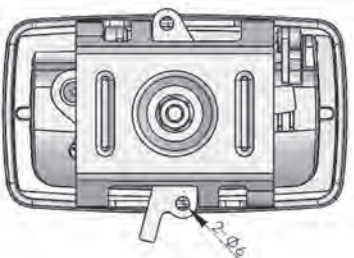
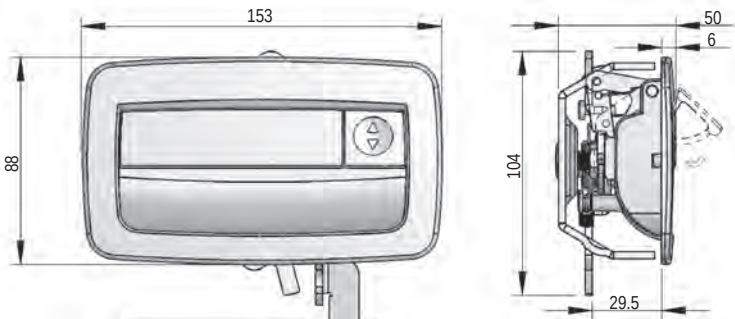
MS866S4A530005

MS983



Material and finish: Silk black ZDC housing and handle
Application: Pull the handle to make cam rotating, latch toggling and rod stretching to realize opening and closing function. (Default latch DK635)
Remark: Default key K640

Performance parameter:
Handle load tension capability:≤845N



Cut out

ERP

MS983Z2A640002

MS870-2

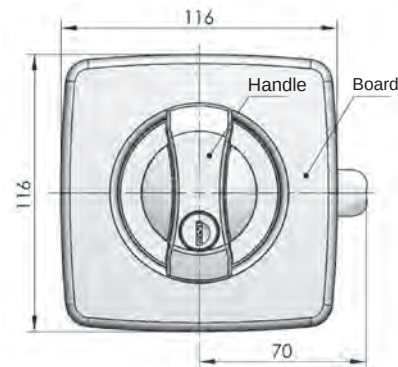
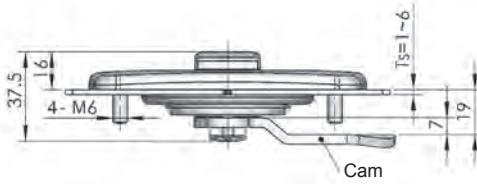
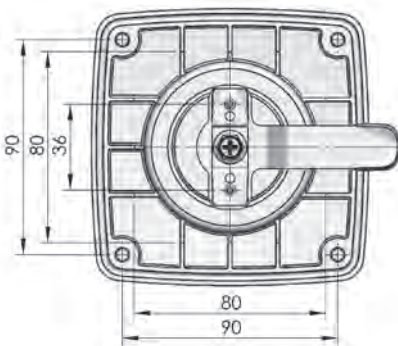


RL

Finish:White zinc plated support
Remark : Default key K160

Cam ERP : 2883700701 (Default)

Performance parameter:
Handle load torque capability: ≤28N.m
Cam loading capability: ≤390N



Cut out

Description	□ □ □ □	ERP
ZDC panel and handle	MS870-2	MS870Z1B160001
PA panel and handle	MS870-2F	MS870N00160001
PA panel, ZDC handle	MS870-3	MS870N00160002

Remark:The default cam for above ERP is S3C7007

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket



IP65

Material:ZDC housing and handle
Finish : Bright chrome plated
Structure :Pull and turn the handle 90 degree, along with the cam,Closing the door by hitting when the lock is on the close status

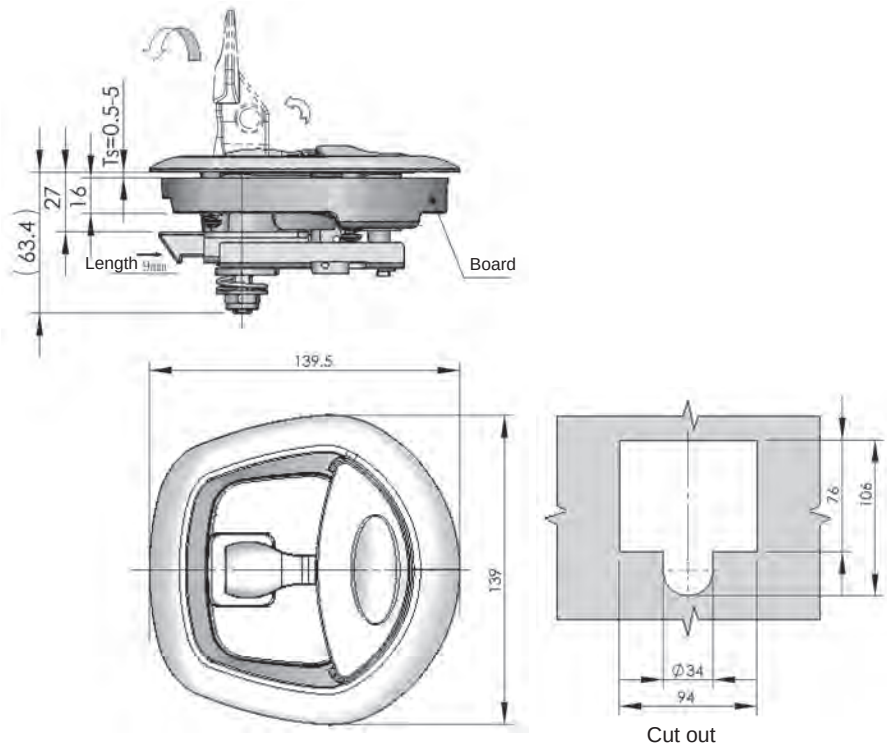
Performance parameter:
MS982-3
Handle load torque capability: ≤31N.m
Cam loading capability: ≤4000N

MS982-3A
Handle load torque capability: ≤39N.m
Cam loading capability: ≤2000N

Application example



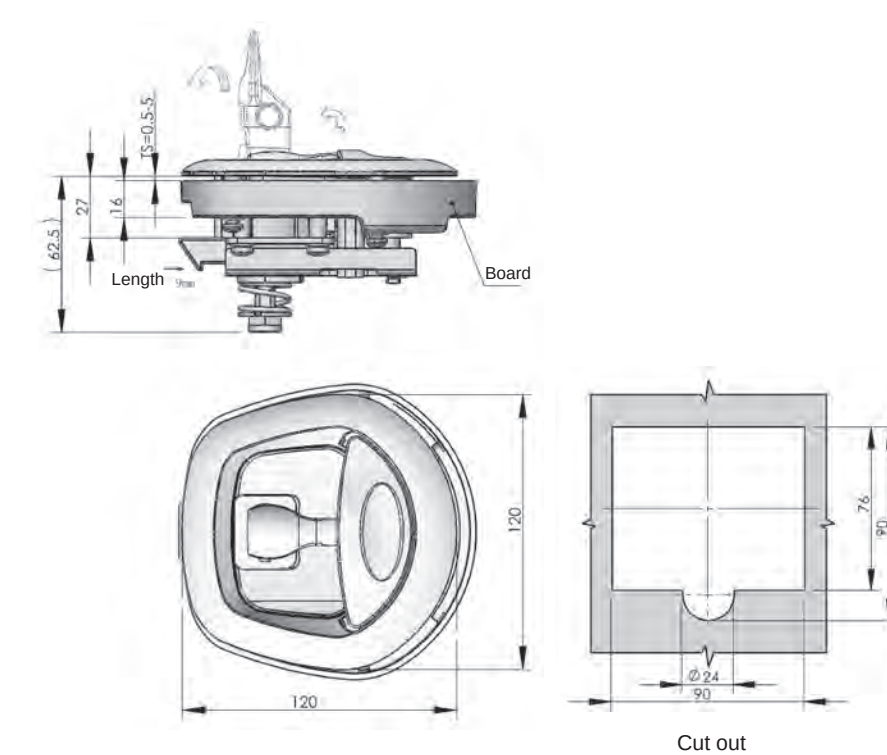
MS982-3



ERP

MS982Z3A520003

MS982-3A



ERP

MS982Z3A520004

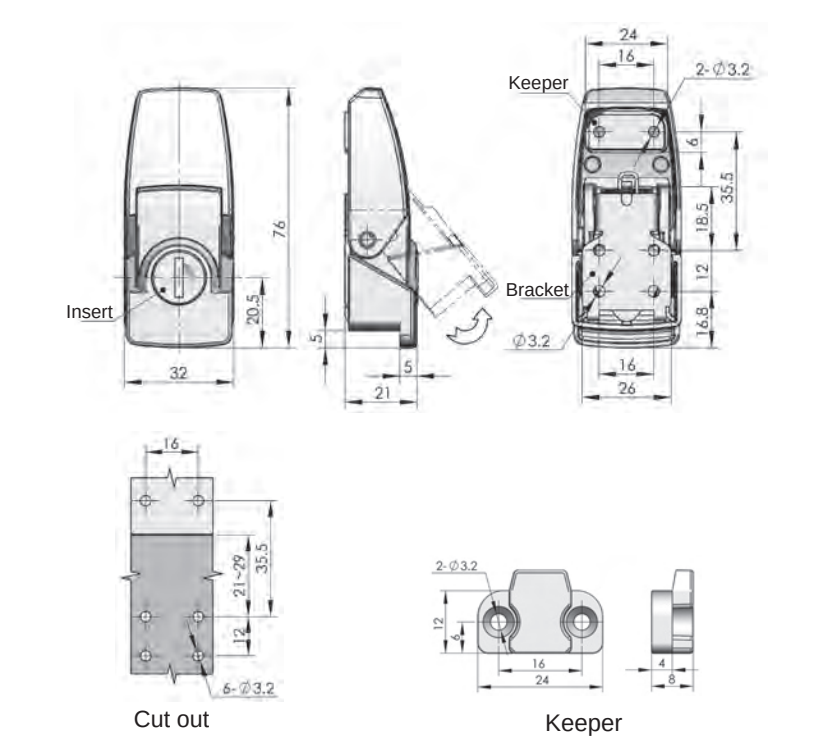
TOGGLE AND HOOK SERIES

DKS	DK601	DK602	DK603
DK604	DK605	DK606	DK609
DK610	DK611	DK615	DK617
DK618	DK623	DK624	DK634
DK635	DK636-1	DK639	DK725-3B



Main material and finish: ZDC housing and keeper, stainless steel bracket
Remark: Optional key K080

Performance parameter:
Maximum static load: 700N

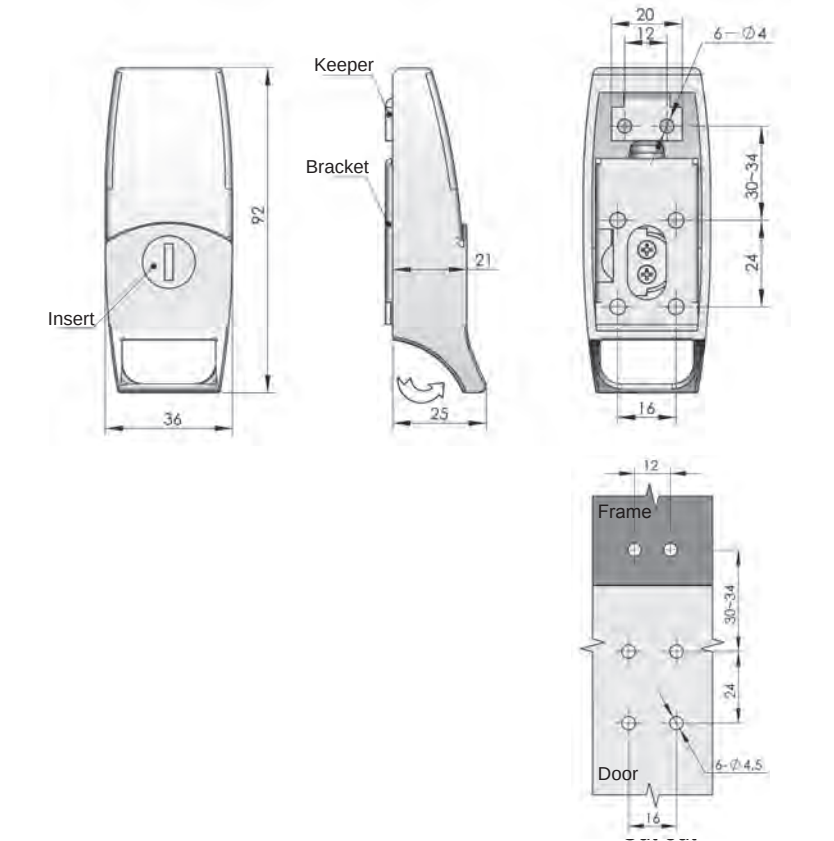


Specification	ERP	
	Bright chrome-plated	
DKS-1 With insert	DKDKSZ3B080001	DKDKSZ1A080001
DKS-2 Without insert	DKDKSZ3B000001	DKDKSZ1A000001



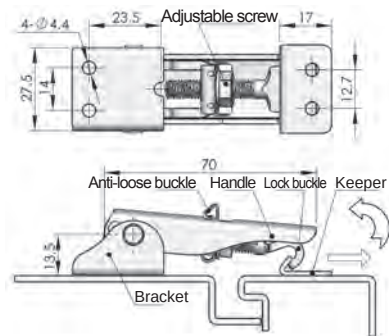
Main material and finish: Black powder coated ZDC housing, stainless steel bracket and keeper
Remark: Optional key K080

Performance parameter:
Maximum static load: 750N

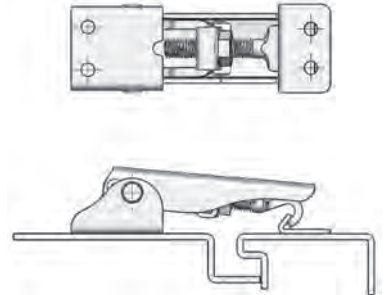


ERP	DK601Z1A080001
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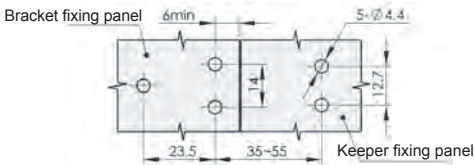
Exposed type



With anti-loose buckle

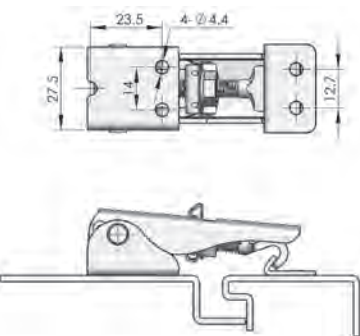


Without anti-loose buckle

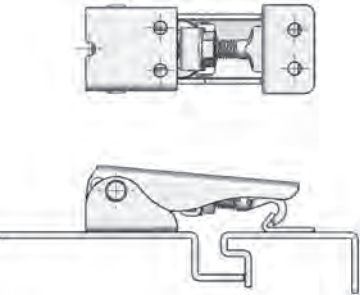


Cut out

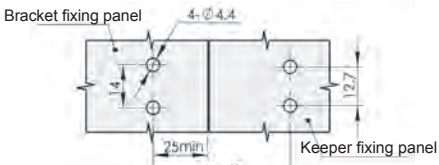
Concealed type



With anti-loose buckle



Without anti-loose buckle



Cut out

Specification	Exposed type			
	Stainless steel		Steel	
	Model	ERP	Model	ERP
Without anti-loose hook	DK602-1ES	DK602S4A000001	DK602-1E	DK602F3D000001
With anti-loose hook	DK602-3B-1ES	DK602S4A000003	DK602-3B-1E	DK602F3D000004
Specification	Concealed type			
	Stainless steel		Steel	
	Model	ERP	Model	ERP
Without anti-loose hook	DK602-1HS	DK602S4A000002	DK602-1H	DK602F3D000002
With anti-loose hook	DK602-3B-1HS	DK602S4A000004	DK602-3B-1H	DK602F3D000005



Main material and finish: Electrolysis polished stainless steel or zinc-plated steel

Performance parameter:
Maximum static load: 430N

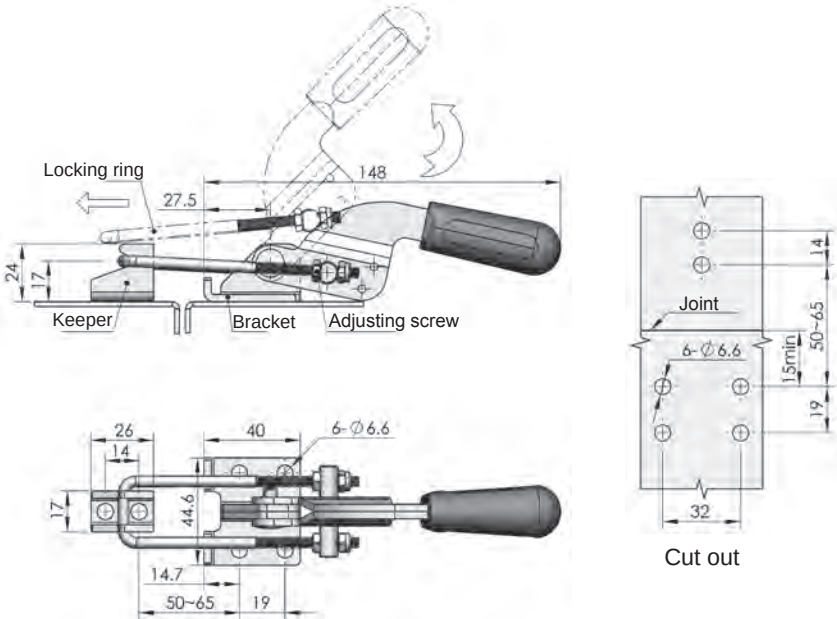
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

DK603



Main material and finish: Zinc-plated steel body, rubber handle

Performance parameter:
Maximum static load: 1500N



ERP

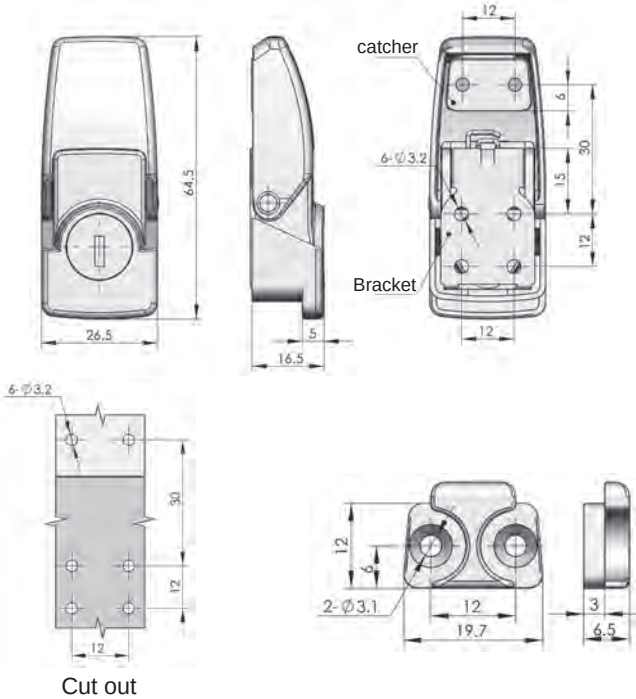
DK603F3D000001

DK604



Main material and finish: ZDC housing and keeper, stainless steel bracket
Remark: Key K080 for selection

Performance parameter:
Maximum static load: 610N



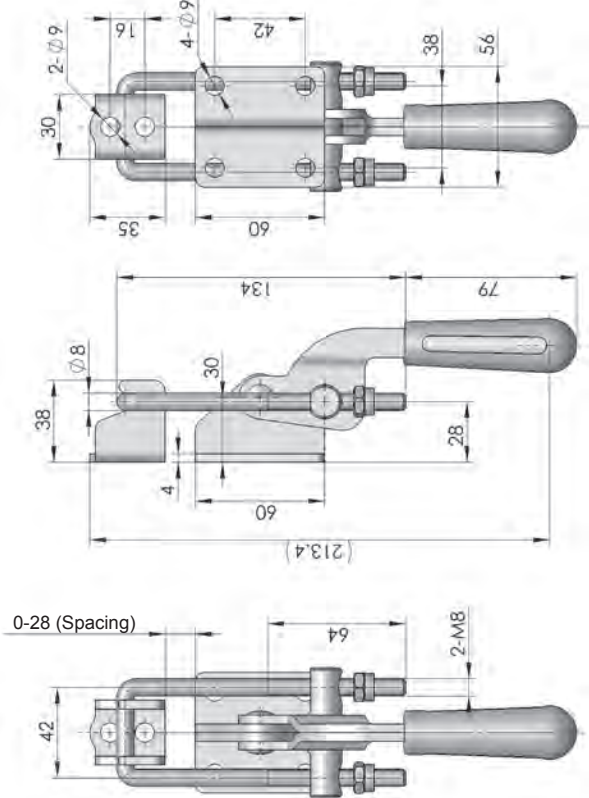
Specification	ERP	
	Black powder coated	Bright chrome-plated
DK604-1 With insert	DK604Z2A080002	DK604Z3A080001
DK604-2 Without insert	DK604Z2A000001	DK604Z3A000001

DK603-3



Main material and finish:
white zinc-plated steel

Performance parameter:
Maximum static load: 3000N



ERP

DK603F3D000004

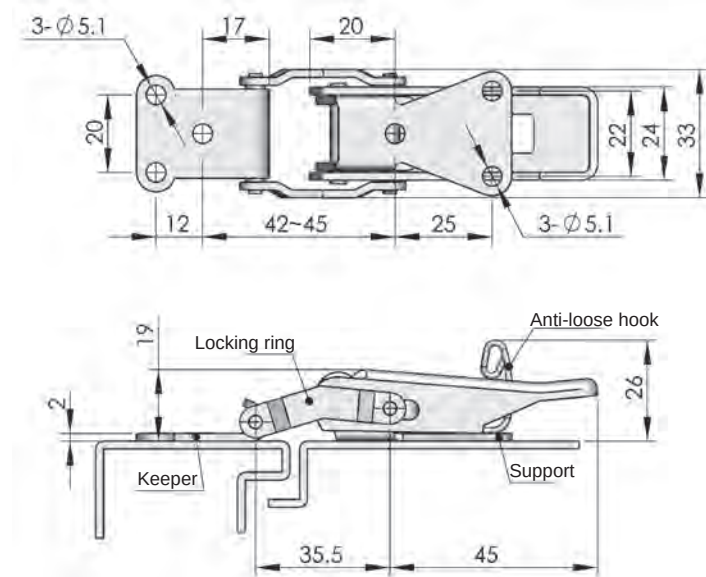
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

DK605



Main material and finish: Mirror polished stainless steel

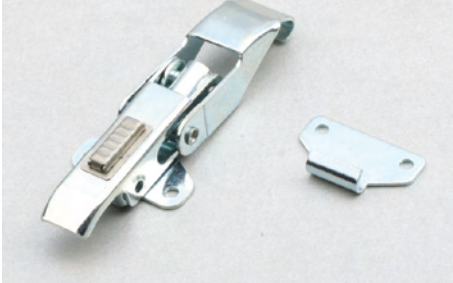
Performance parameter:
Maximum static load: 800N



ERP

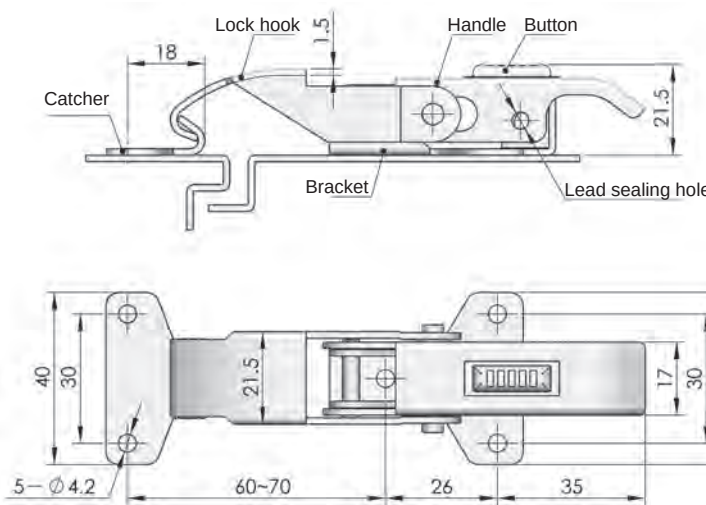
DK605S4A000004

DK606



Main material and finish: Zinc-plated steel

Performance parameter:
Maximum static load: 150N



ERP

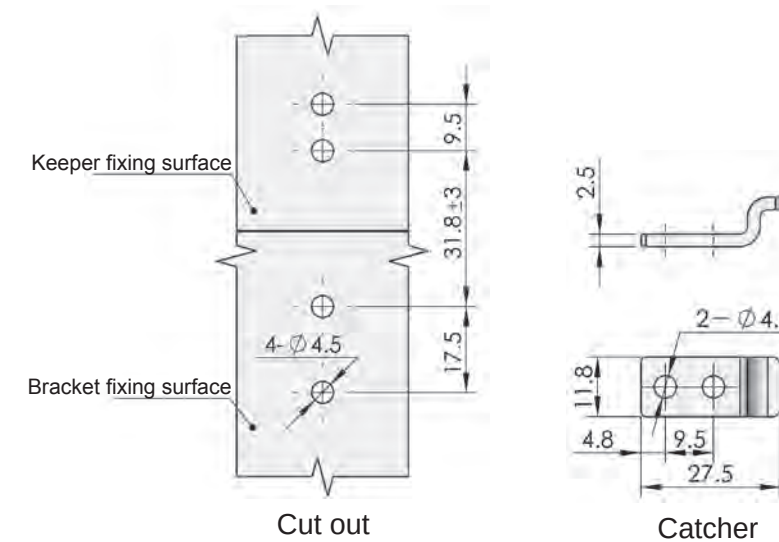
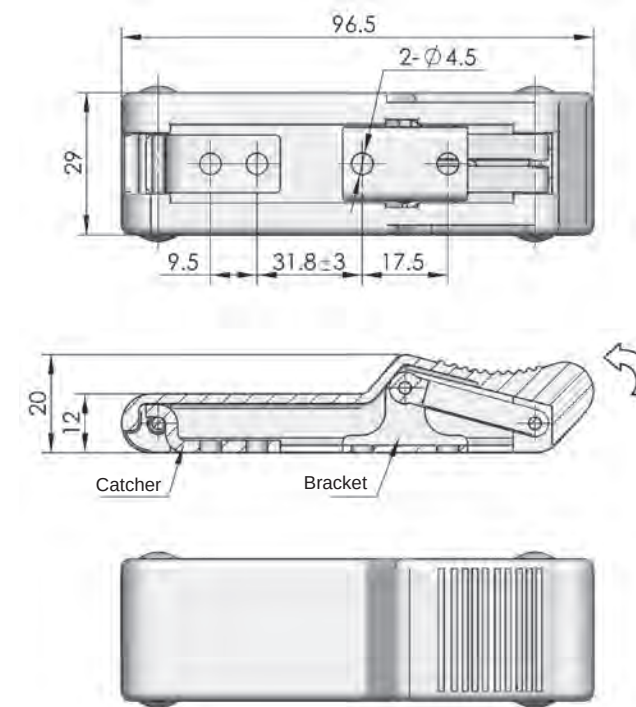
DK606F3D000001

DK609



Main material and finish: Black rubber handle, stainless steel keeper and bracket

Performance parameter:
Maximum static load: 45N



ERP

DK609N000000001

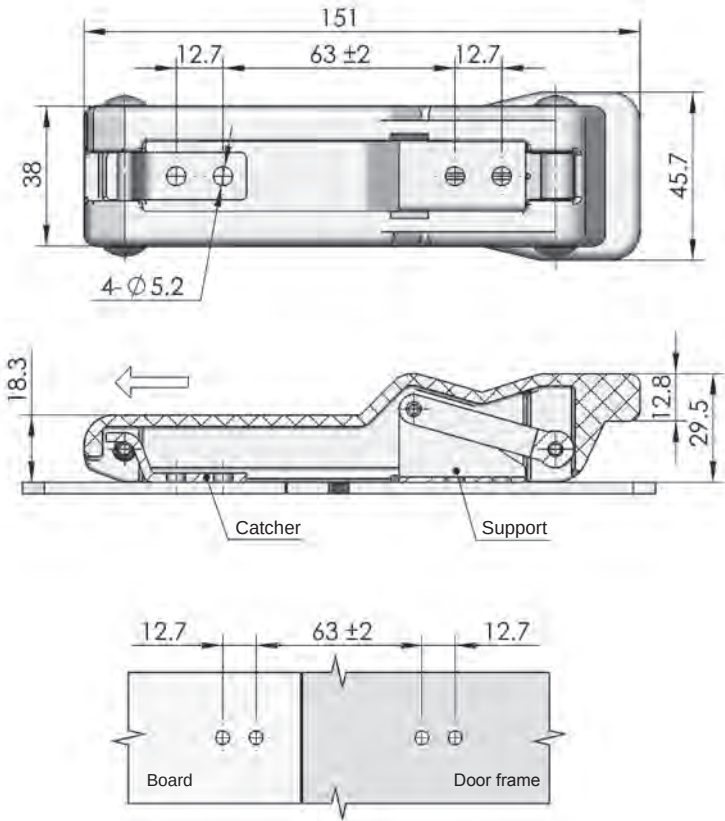
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

DK609-2

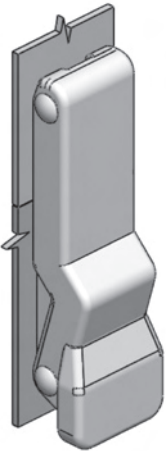
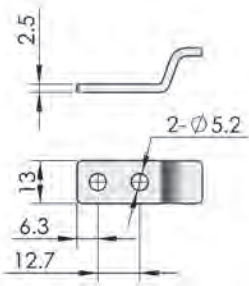


Main material and finish: Black rubber handle, stainless steel support and catcher

Performance parameter:
Maximum static load: 65N

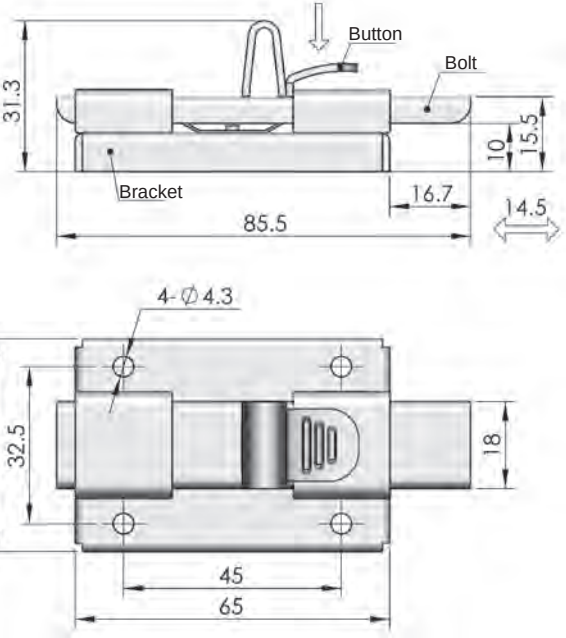


Catcher



ERP

DK609N00000006



ERP

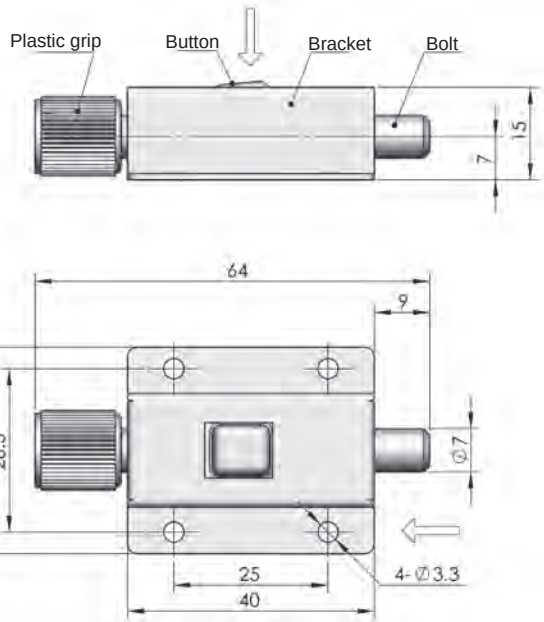
DK610S00000001

DK610



Main material and finish: Electrolytic stainless steel

Performance parameter:
Maximum static load: 765N



ERP

DK611S00000001

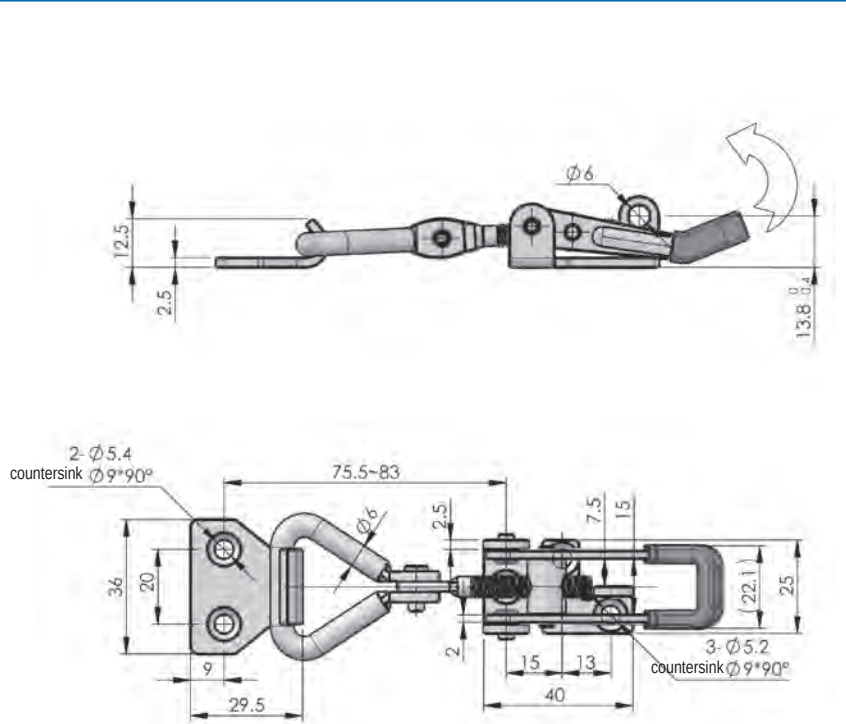
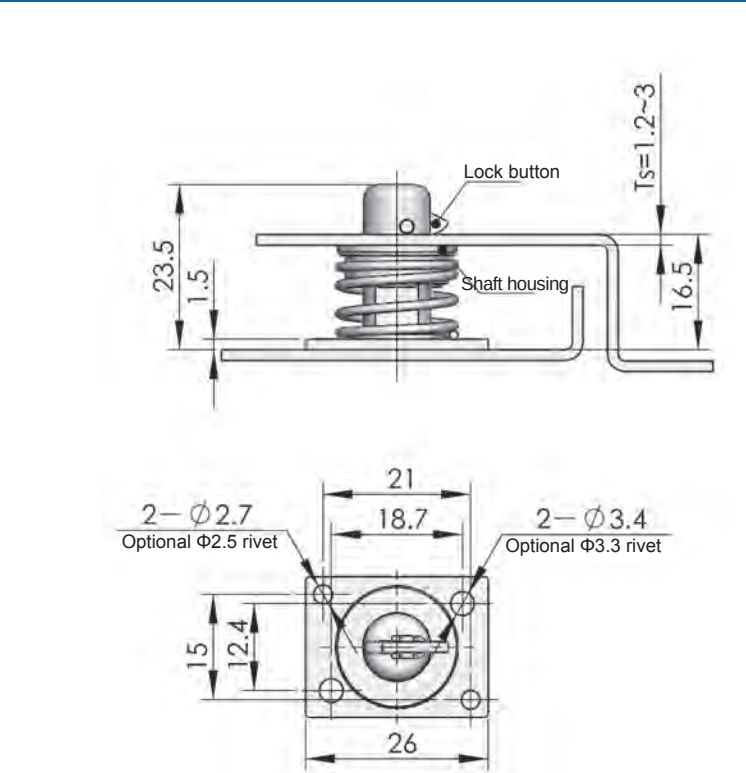
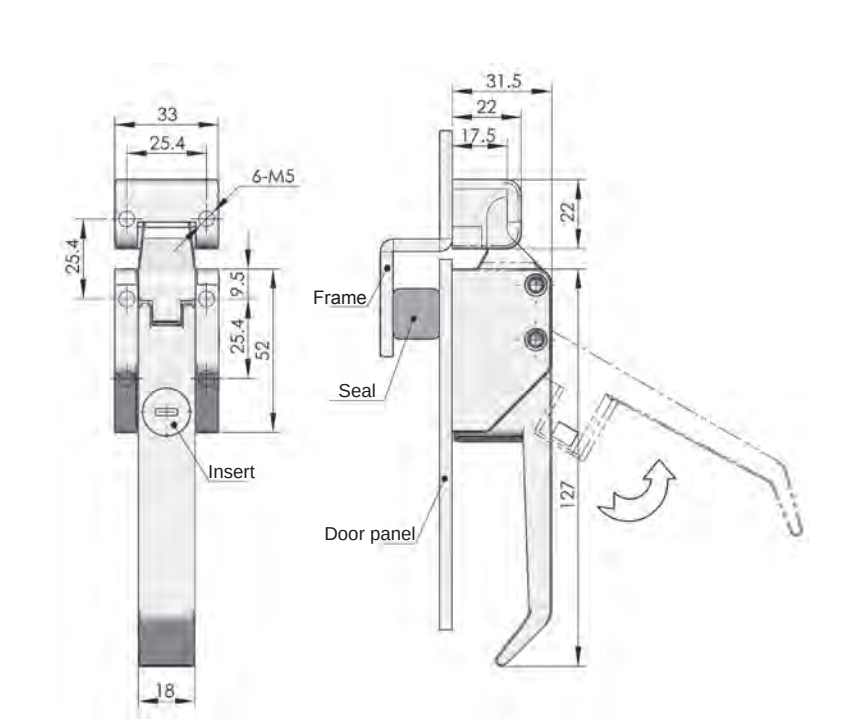
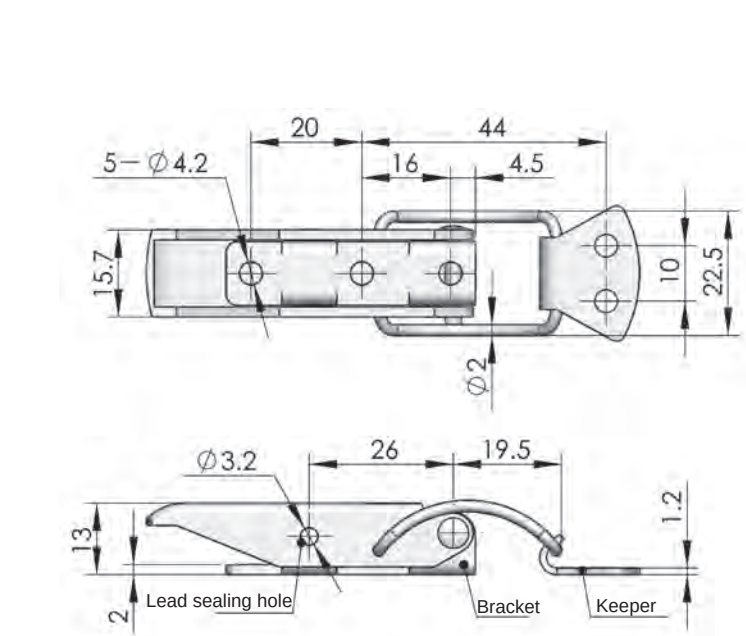
DK611



Main material and finish: Stainless steel bracket and button, chrome plated steel bolt with plastic grip

Performance parameter:
Maximum static load: 500N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories	DK614  Main material and finish: AISI316 Performance parameter: Maximum static load: 750N	 ERPDK614S4C000001	 ERPDK616Z3D000001	DK616  Main material and finish: White zinc plated ZDC housing, stainless steel lock button and spring, plastic seal	Accessories
Electronic lock					Electronic lock
Handle lock					Handle lock
Cylinder lock					Cylinder lock
Plane lock					Plane lock
Rod control lock					Rod control lock
Panel lock	DK615  Main material and finish:spray(black light) ZDC housing,handle,keeper and stainless steel pin Performance parameter: Maximum static load: 910N	 ERPDK615Z1A030002DK615Z1A000001	 ERPDK617S000000001	DK617  Main material: Grinding and polishing stainless steel Performance parameter: Maximum static load: 320N	Panel lock
Toggle and hook					Toggle and hook
Handles					Handles
Door stop					Door stop
Hinge					Hinge
Seal gasket					Seal gasket

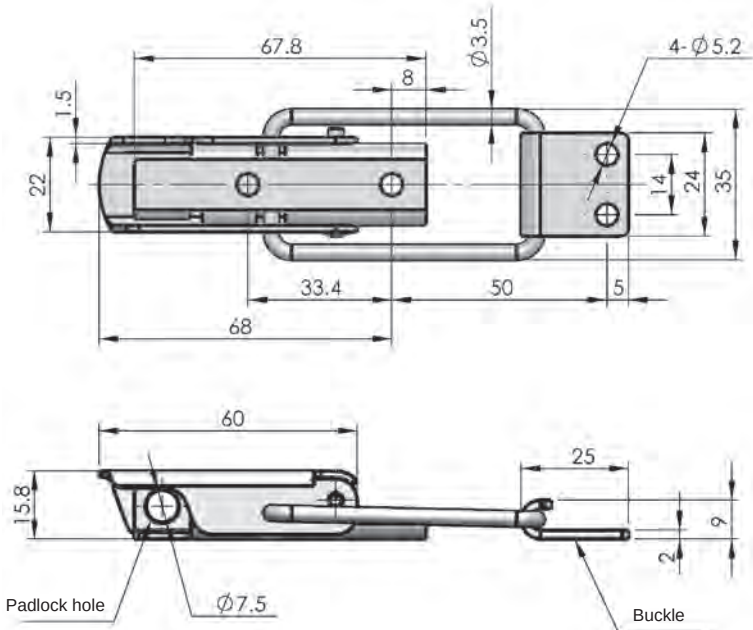
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

DK617-5

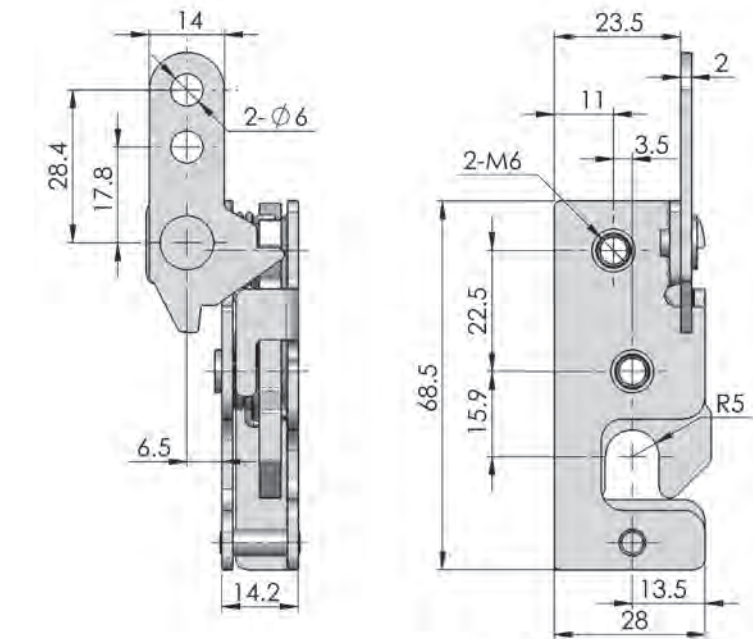


Main material: Stainless steel Grinding and polishing
Structure : Padlock version is available

Performance parameter:
Maximum static load: 750N



ERP	DK617S9D4001
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Specification	Model	ERP
Left hand	DK618-7-Z	DK618F3D000007
Right hand	DK618-7-Y	DK618F3D000008

DK618-7

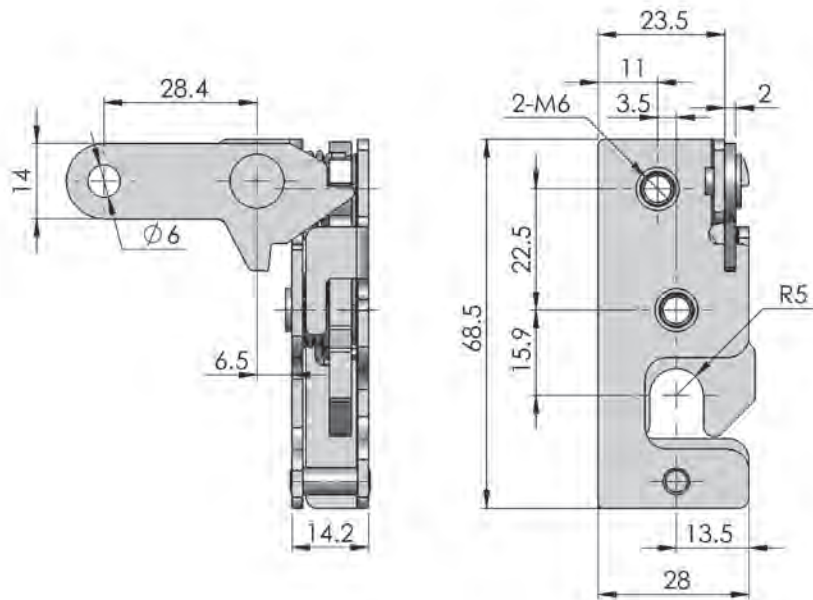


Main material: Steel
Finish: 3+ zinc plated
Item shown on the picture is DK618-7-Z

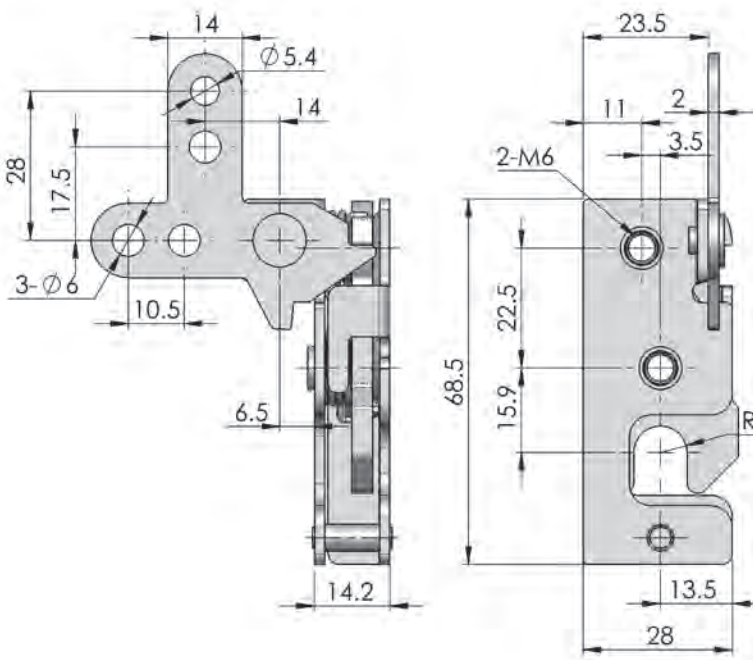
DK618-6



Main material: Steel
Finish: 3+ zinc plated
Item shown on the picture is DK618-6-Z



Specification	Model	ERP
Left hand	DK618-6-Z	DK618F3D000005
Right hand	DK618-6-Y	DK618F3D000006



Specification	Model	ERP
Left hand	DK618-8-Z	DK618F3D000009
Right hand	DK618-8-Y	DK618F3D000010

DK618-8



Main material: Steel
Finish: 3+ zinc plated
Item shown on the picture is DK618-8-Z

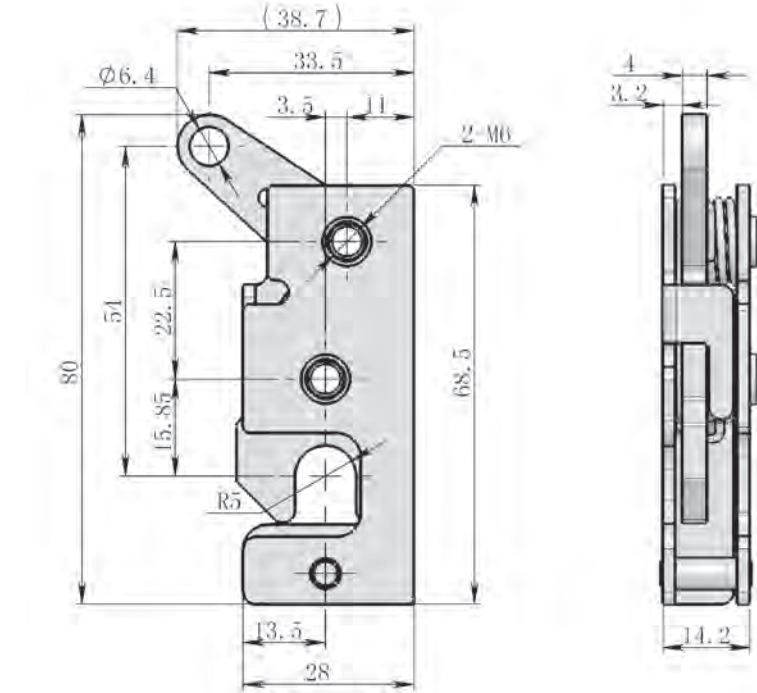
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

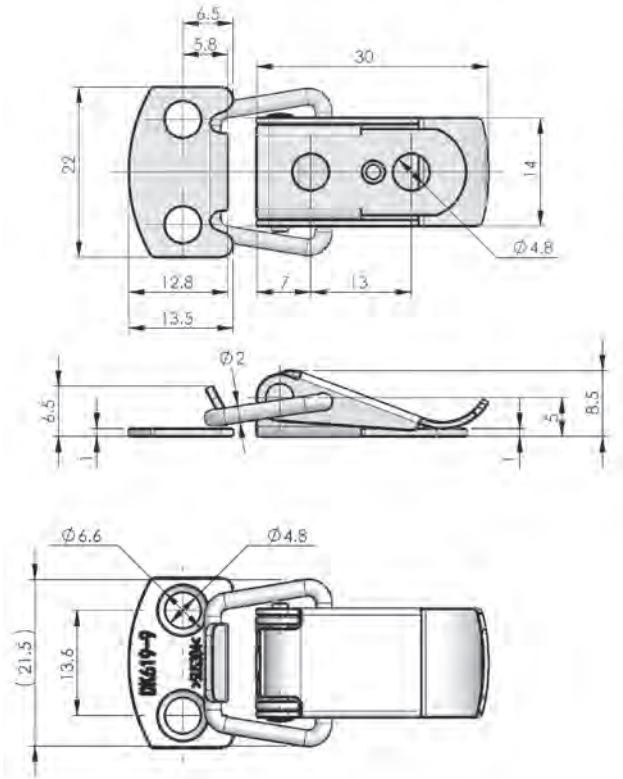
DK618-9



Main material: Steel
Finish: 3+ zinc plated
Item shown on the picture is
DK618-9-Y



Specification	Model	ERP
Left hand	DK618-9-Z	DK618F3D000012
Right hand	DK618-9-Y	DK618F3D000011



ERP	DK619S4C000001
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DK619-9



Main material and finish: Stainless steel
304

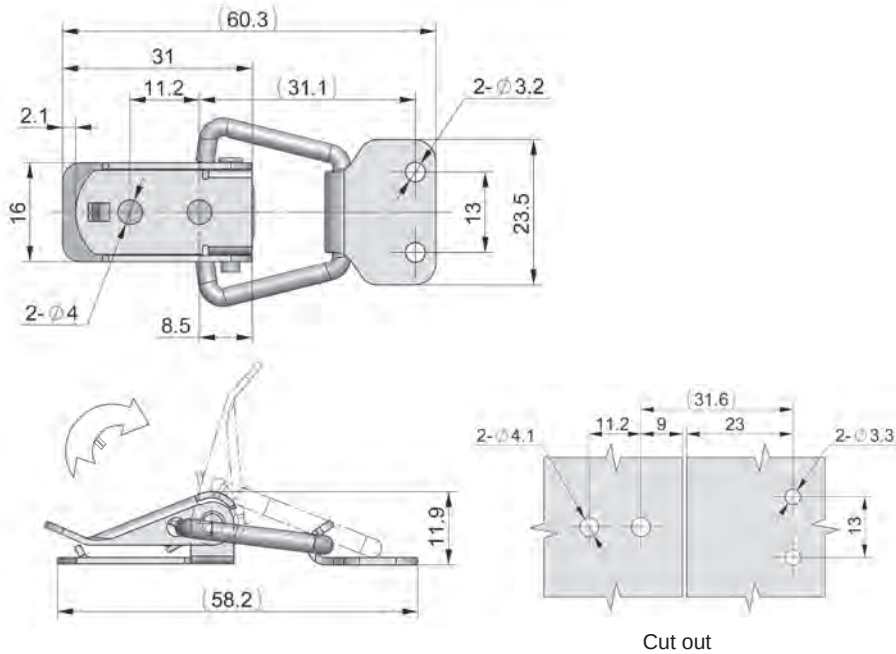
Performance parameter:
Maximum static load: 140N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

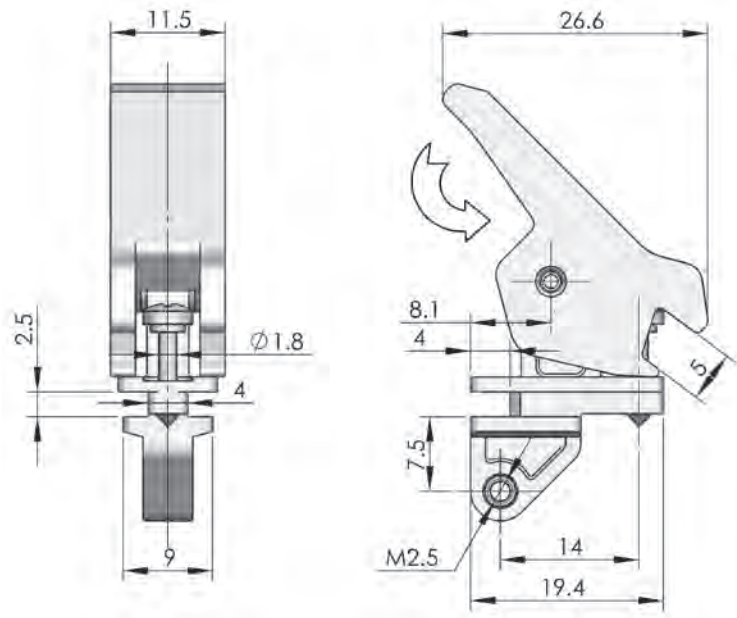
DK619-2-1D



Main material and finish: Mirror polishing
cover with plastic SUS304 body
Performance parameter:
Maximum static load: 180N



ERP	DK619S4A000001
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ERP	DK623N00000001
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DK623



Main material: PBT toggle, stainless steel
screw

Performance parameter:
Maximum static load: 80N

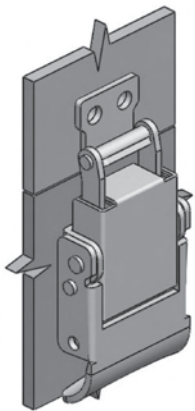
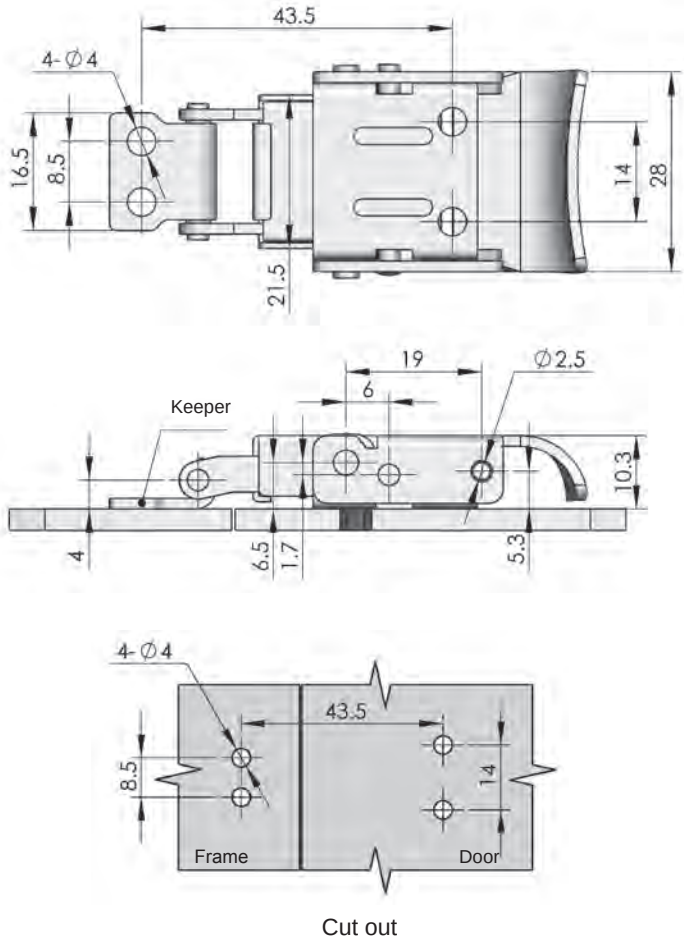
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

DK624

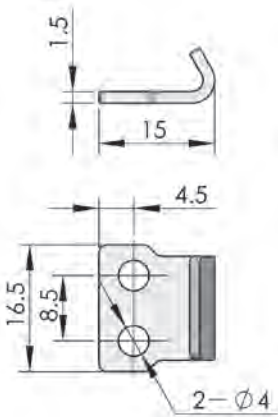


Main material and finish: Electrolytic stainless steel

Performance parameter:
Maximum static load: 800N

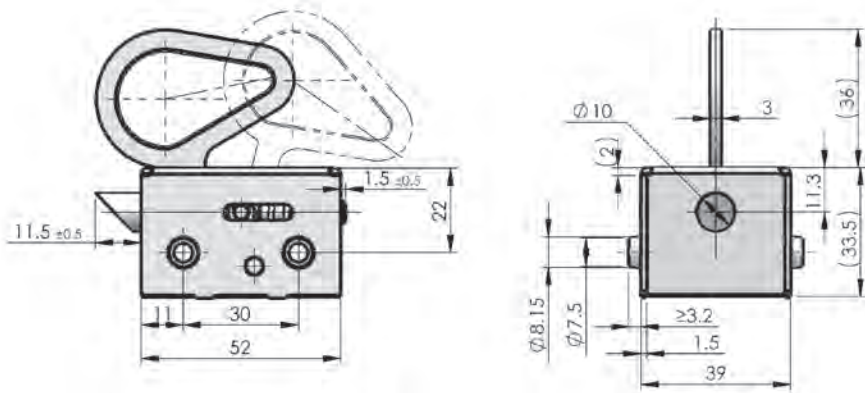


Keeper



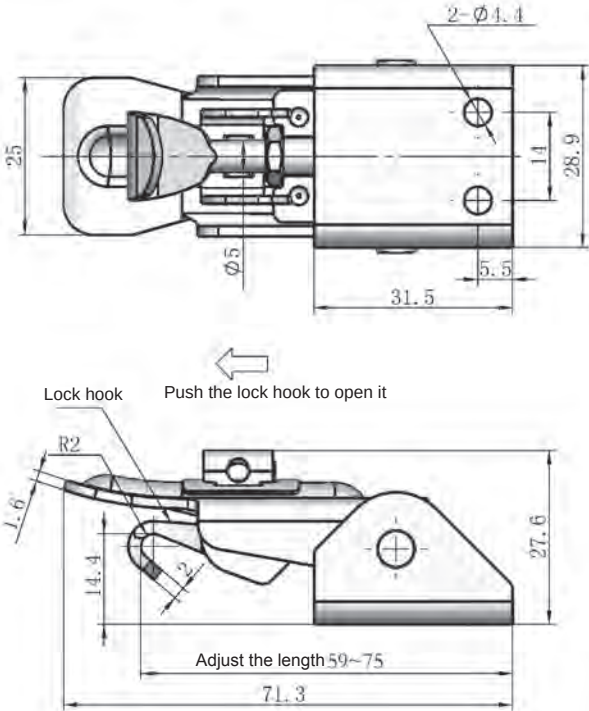
ERP

DK624S9C000002



ERP

DK627S4C000001



ERP

DK631F3E000001

DK627



Main material and finish: Stainless steel 304

Performance parameter:
Maximum static load: 300N

DK631-2



Main material: Steel
Finish: 3+ zinc plated
Structure: with function of anti-loose, adjustable hook length

Performance parameter:
Maximum static load: 300N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

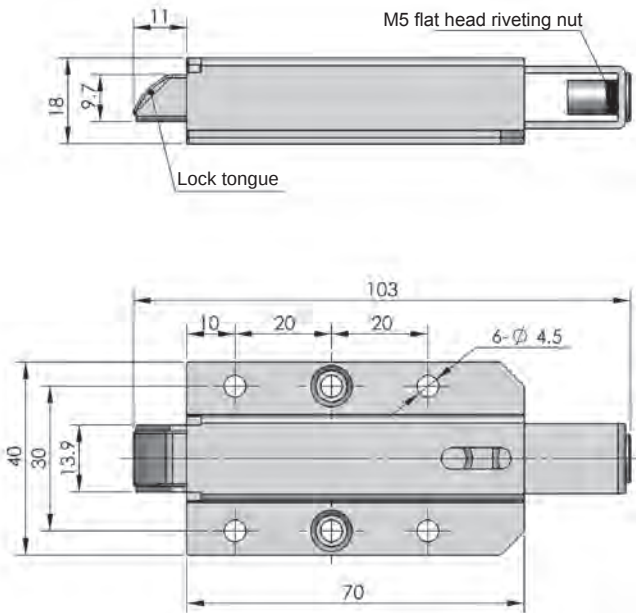
DK633-1



Main material and finish: White zinc plated steel housing, SUS304 bracket, PA lock tongue.

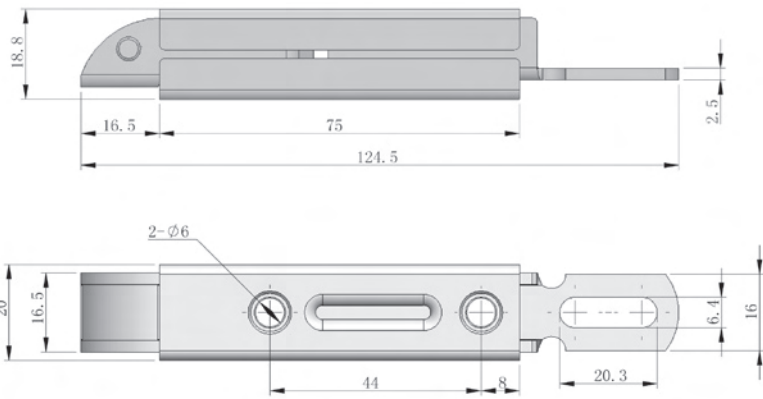
Performance parameter:
Maximum static load: 330N

DK633-1



ERP

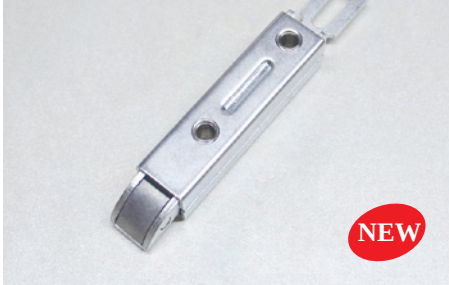
DK633F3D000001



ERP

DK633 F3D000004

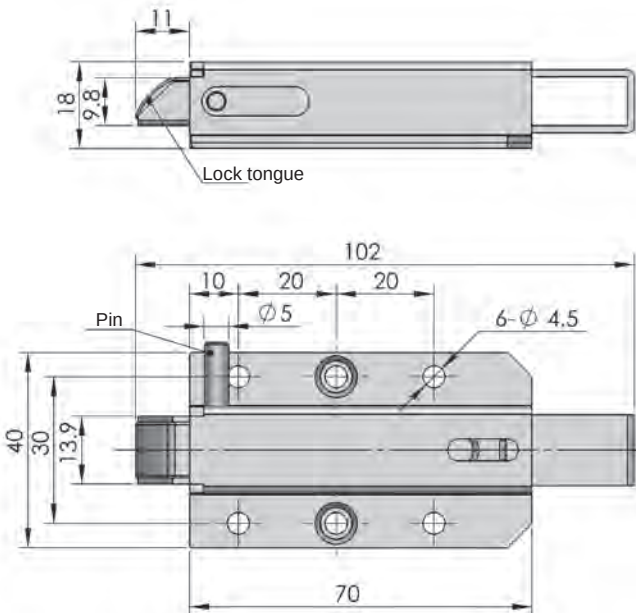
DK633-3



Main material: steel lock body, stainless steel pin
Finish: 3+ zinc plated 48

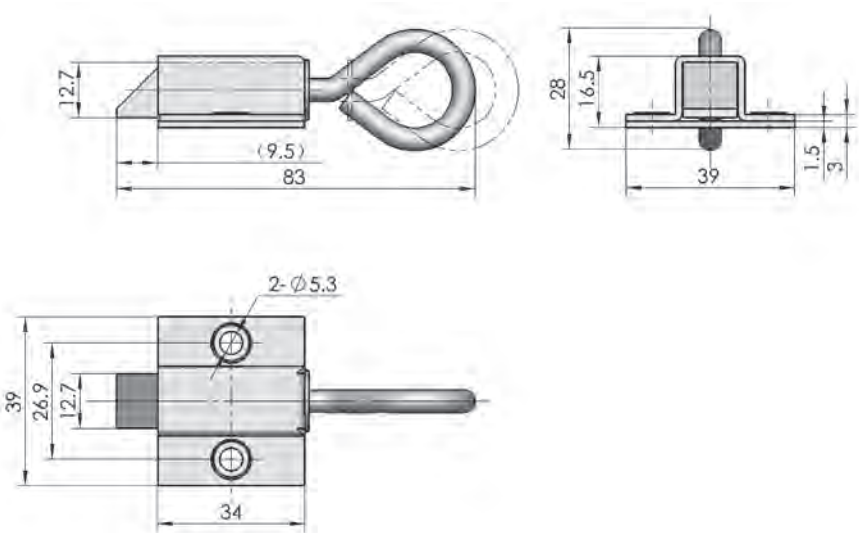
Performance parameter:
Maximum static load: 320N

DK633-2



ERP

DK633F3D000002



ERP

DK634F3D000001

DK634



Main material and finish: White zinc-plated steel body

Performance parameter:
Maximum static load: 250N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

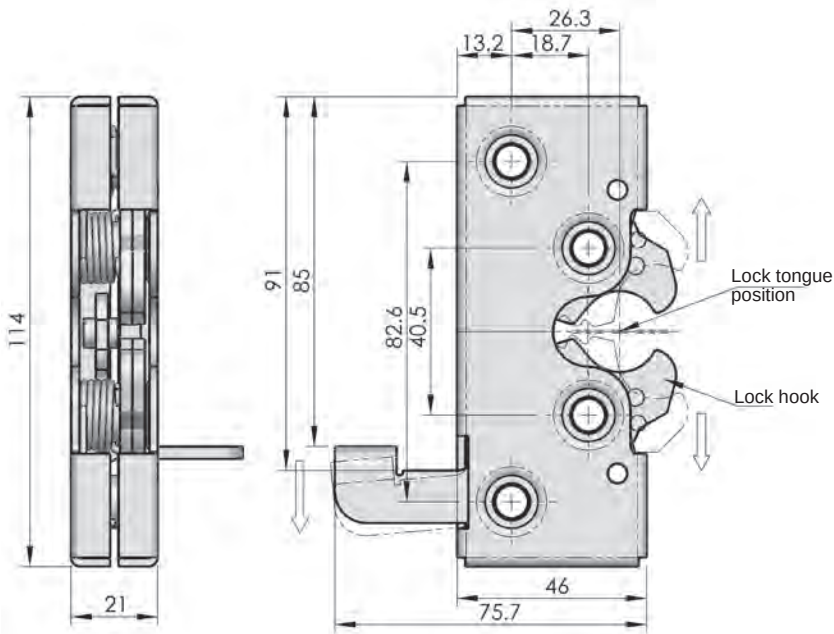
DK635



Main material and finish: 3+ zinc plated

Performance parameter:

Maximum static load: 1000N



ERP

DK635F3D000001

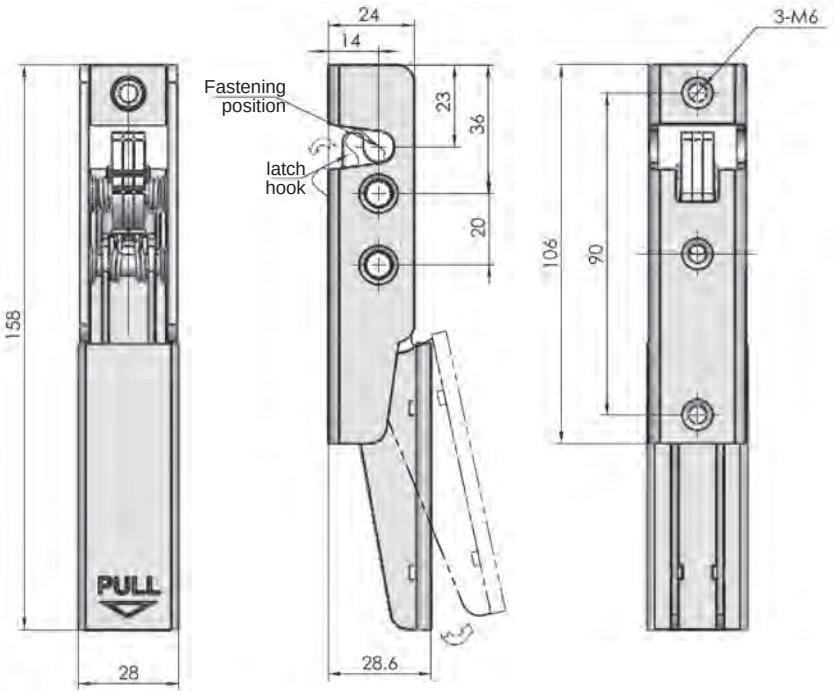
DK638



Main material and finish: Wire-drawing polishing stainless steel handle,white zinc-plated steel bracket

Performance parameter:

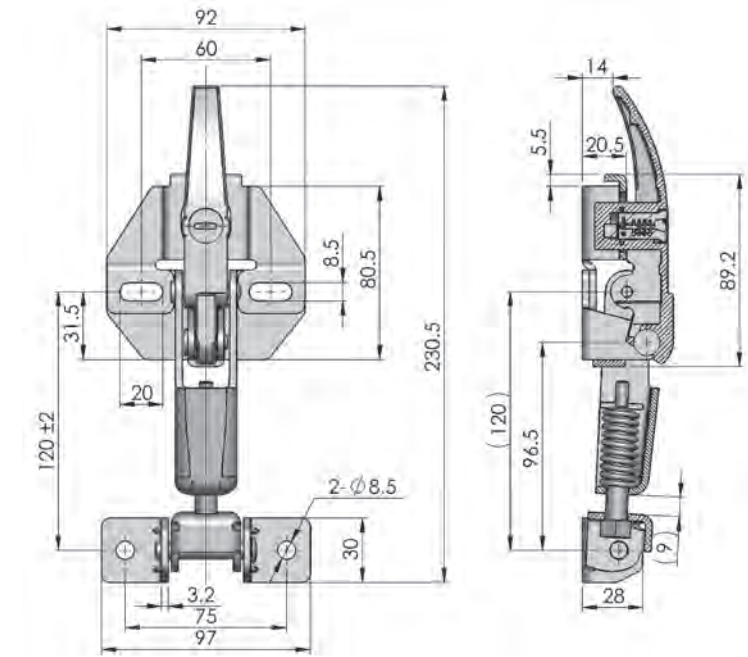
Maximum static load: 810N



ERP

DK638S4B000001

DK636-1



specification

with insert(with key)

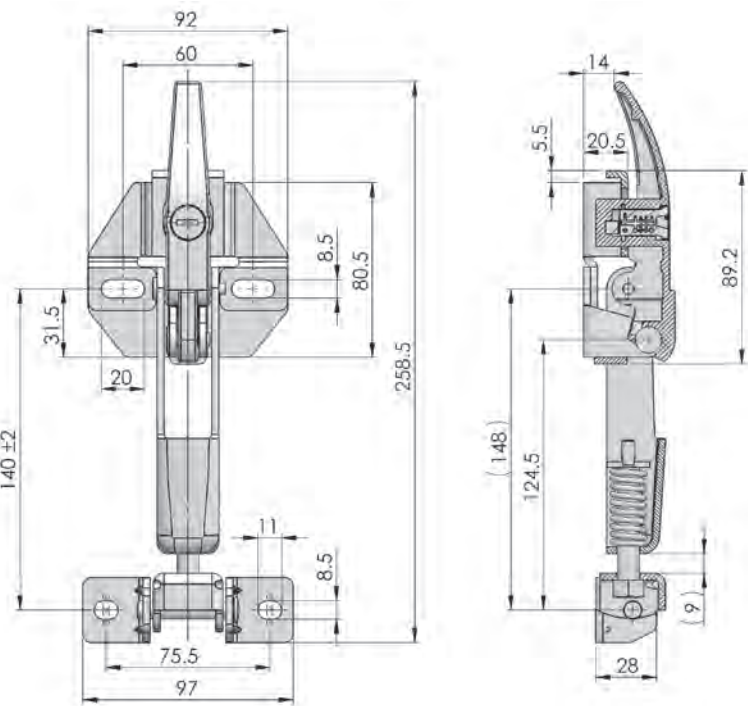
without insert

ERP

DK636Z9D630001

DK636Z00000001

DK636-2



ERP

DK636Z2A342001

DK636-1

DK636-2



Main material and finish: 3+ zinc plated steel toggle, passivated ZDC handle
Product applications as picture show

Performance parameter:

Item:DK636-1

Maximum static load: 1500N

Item:DK636-2

Maximum static load: 1000N

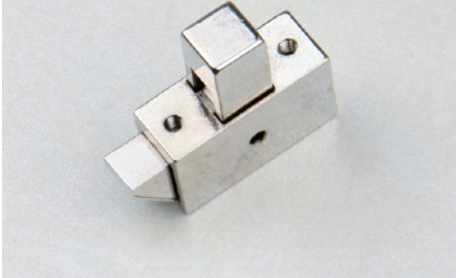
Application example



Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

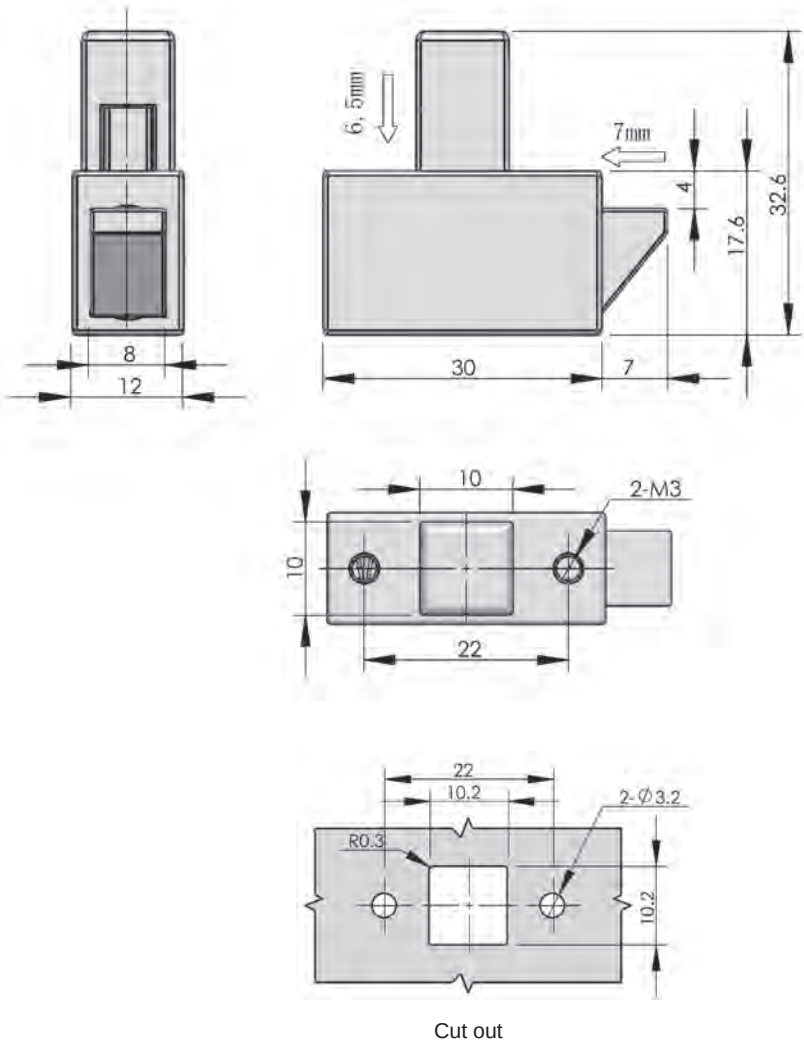
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

DK637



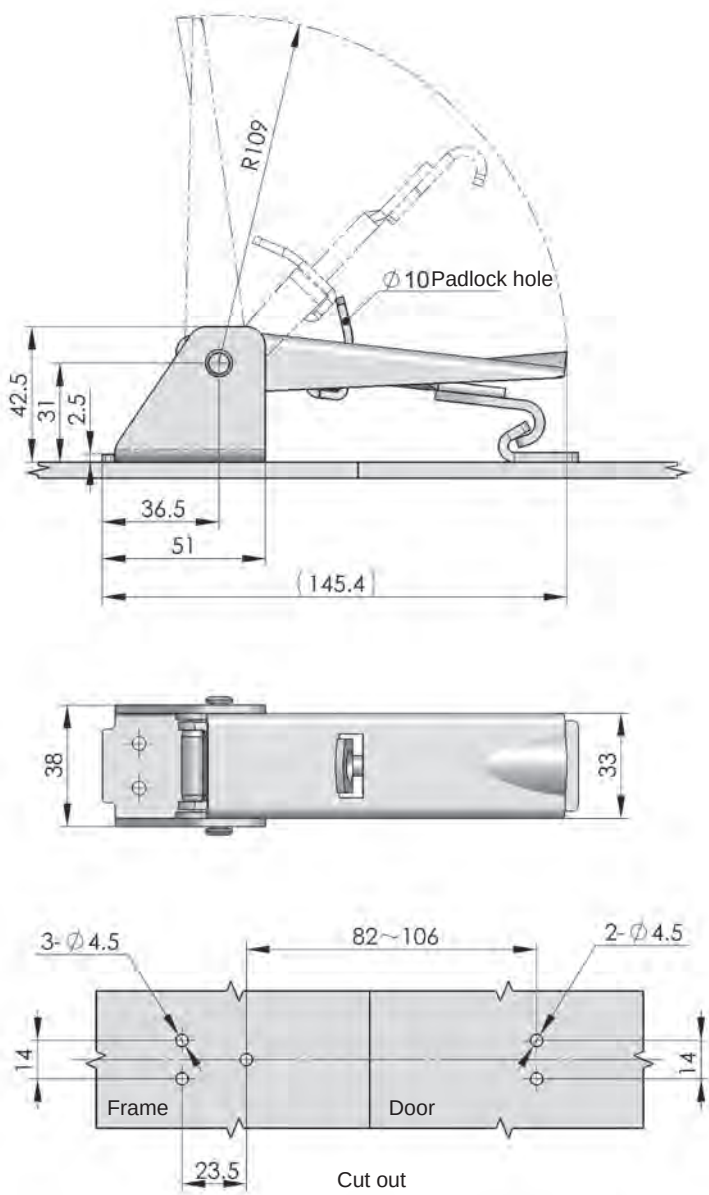
Main material and finish: Nickel plated ZDC housing,button and lock tongue
Application: When the button presses the form 6.5, the lock tongue shrinks to 7

Performance parameter:
Maximum static load: 400N



ERP

DK637Z3G000001



ERP

DK639F3D000001

DK639



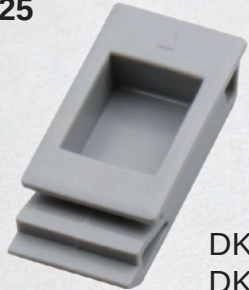
Main material and finish: Trivalent white-zinc steel body

Performance parameter:
Maximum static load: 570N

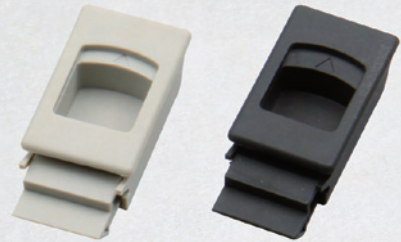
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

DK725



DK725-1
DK725-2

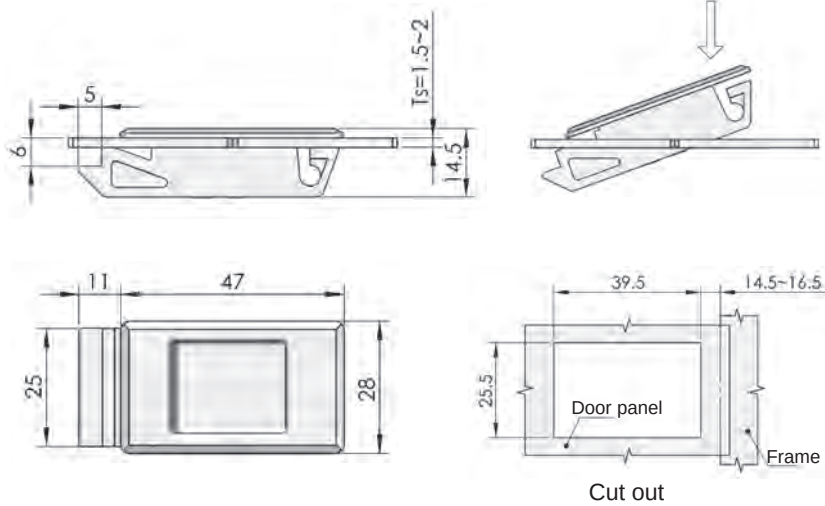


DK725-3B

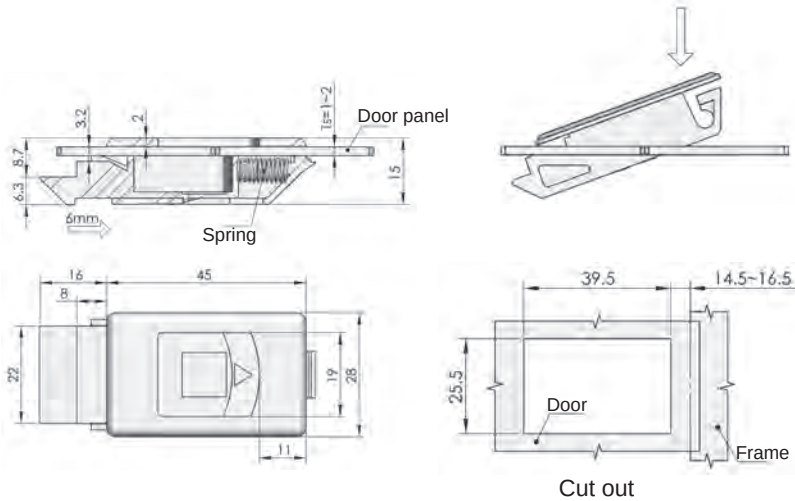
Main material: ABS toggle or PA toggle

Performance parameter:
Maximum static load: 300N

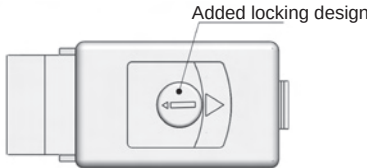
DK725-1
DK725-2



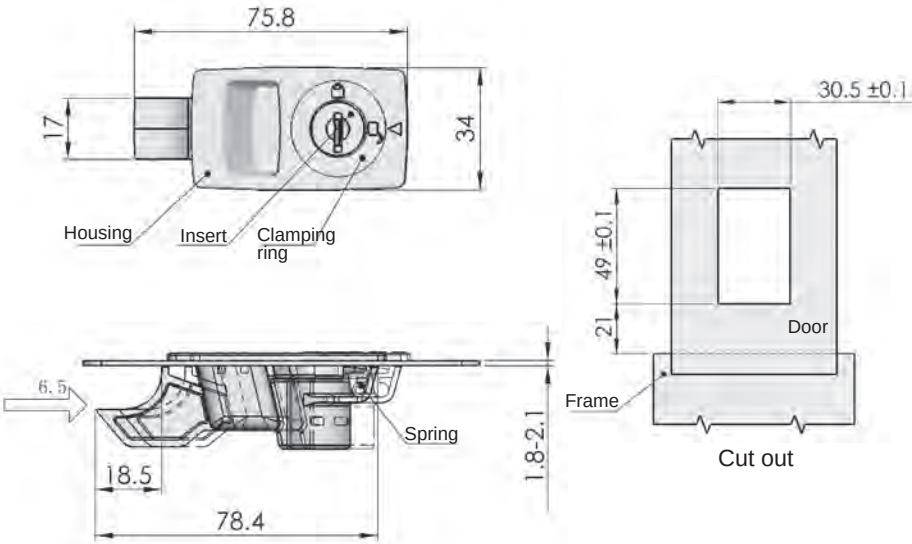
DK725-3B



DK725-3C



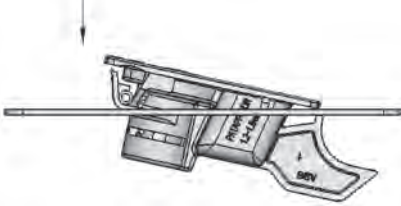
Specification	Model	ERP	
		ABS Silver	ABS Black
T=1.5	DK725-1	DK725N00000001	DK725N00000002
T=2	DK725-2	DK725N00000003	DK725N00000004
T=1~2	DK725-3B	DK725N00000010	DK725N00000006
T=1~2	DK725-3C	DK725N00000011	DK725N00000007



Insert the front of the toggle to the hole and press it



Make the door in the right position



DK725-5



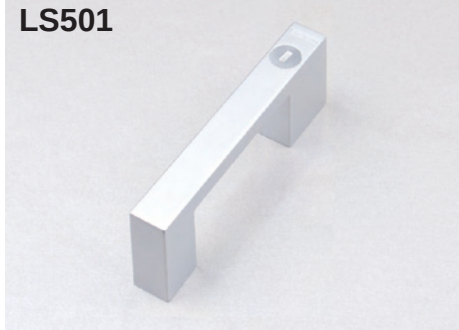
Main material and finish: stainless steel housing module, hard chrome plated steel insert module
Application: RH or LH door has different toggle. It applies to car battery latch system. Release lever designed by user
Performance parameter:
Maximum static load: 500N

ERP

DK725N00140001

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

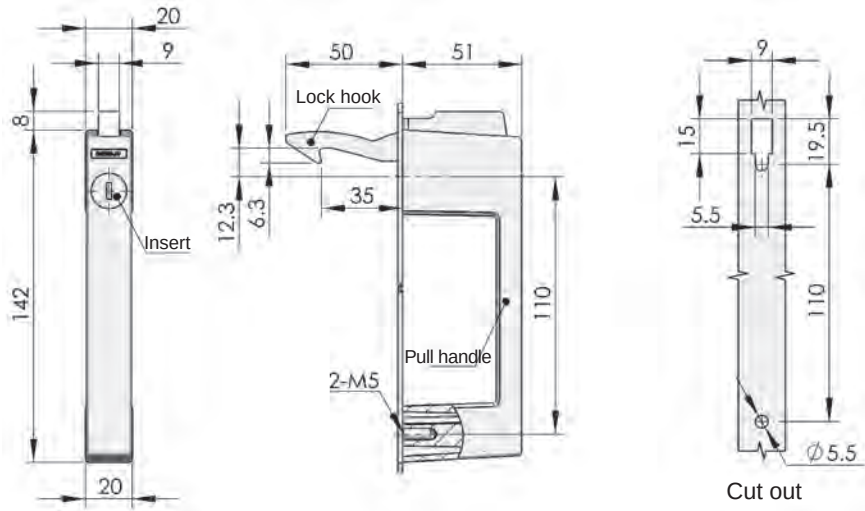
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket



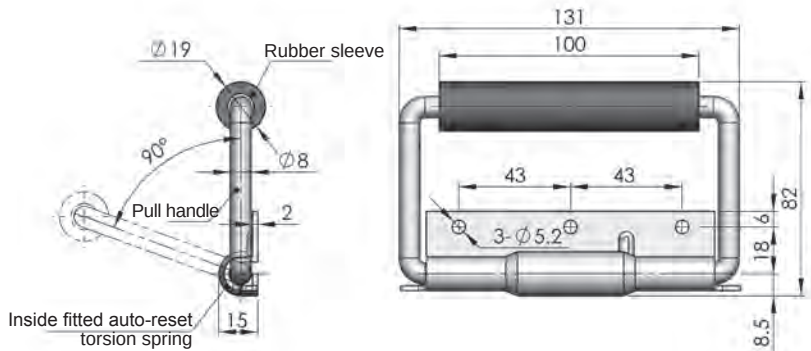
LS501

Main material and finish: Nanometer painted ZDC pull handle, lock hook and steel spring

Performance parameter:
Maximum static load: 600N



Specification	Model	ERP
With insert	LS501-10	LS501Z2B110001
Without insert	LS501-20	LS501Z2B110002



Specification	Model	ERP
Stainless steel	LS504-1B	LS504S00000001
Steel (Bright chrome)	LS504-1	LS504F3A000001

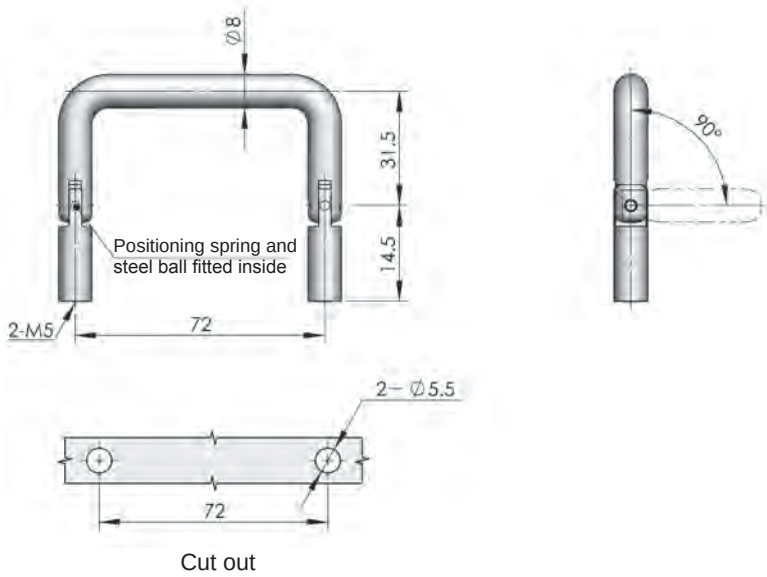


Performance parameter:
Maximum static load: 800N

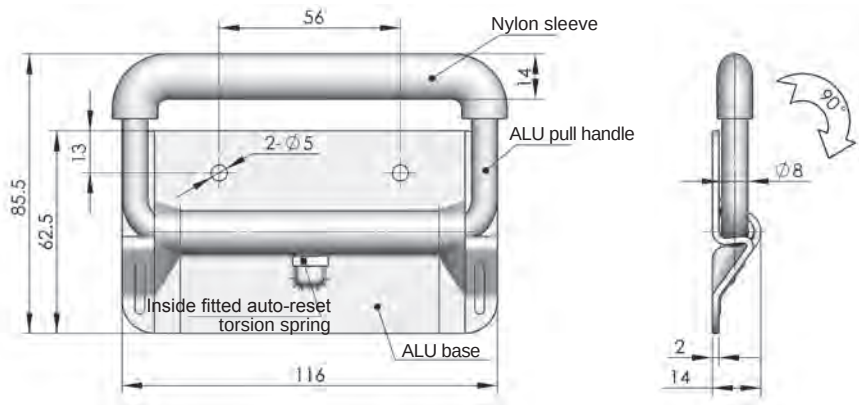


LS503

Performance parameter:
Maximum static load: 1000N



	Stainless steel	Bright chrome-plated steel
ERP	LS503S4A072001	LS503F3A072001



ERP	LS504A9A000001
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LS504-2

Main material and finish: Oxidation aluminum alloy base and pull handle, rubber sleeve

Performance parameter:
Maximum static load: 840N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

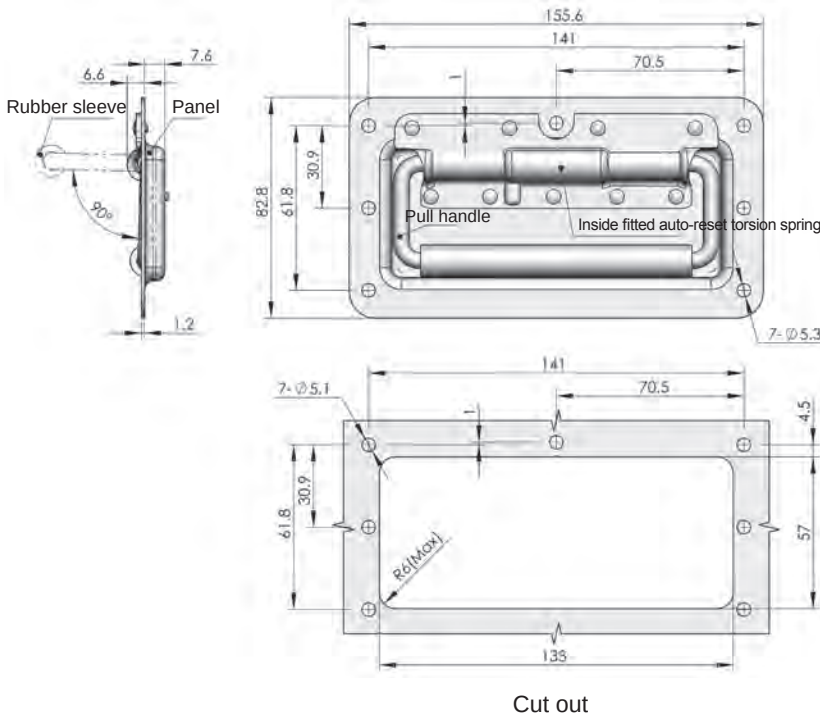
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

LS504-3



Main material and finish: Silk black powder coated steel base and pull handle, rubber sleeve

Performance parameter:
Maximum static load: 1610N



ERP

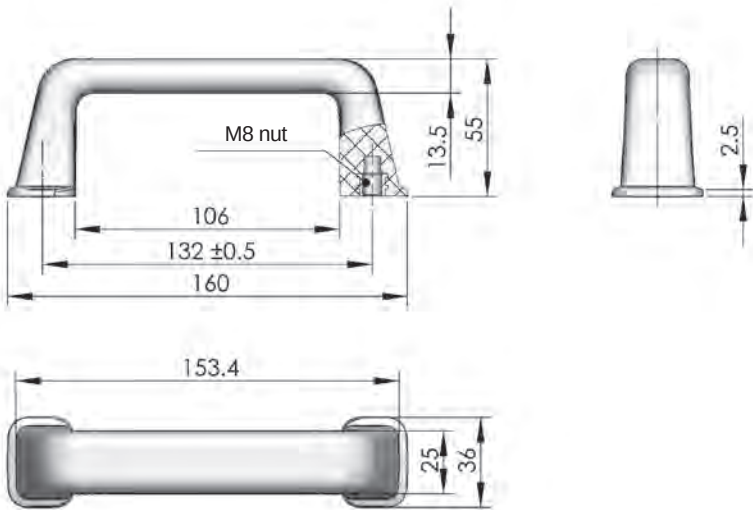
LS504F1A000001

LS505



Main material: Black PP

Performance parameter:
Maximum static load: 650N



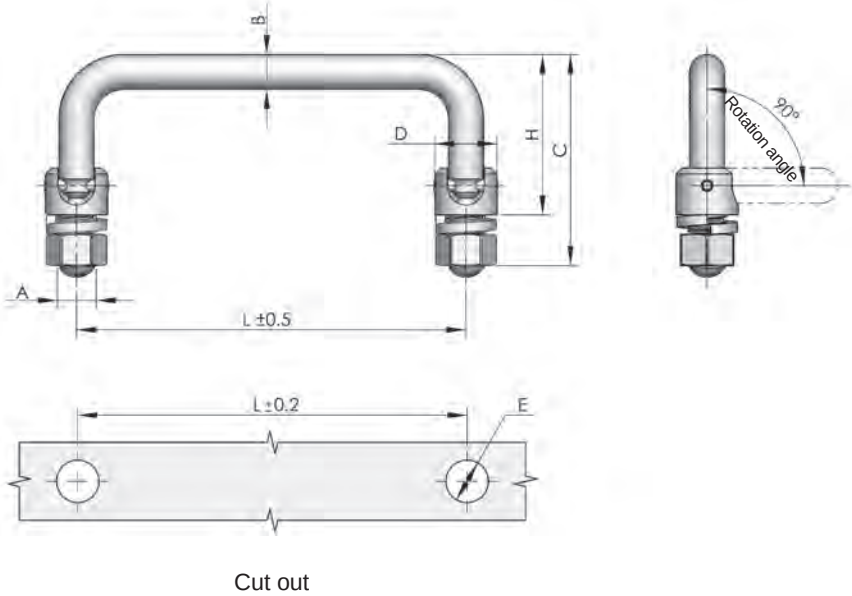
ERP

LS505N00132001

LS506



Performance parameter:
Maximum static load: 1200N(L=90)



Specification	A=M10 B=Ø9 C=57.5 D=Ø16 H=41.5 E=Ø11 Ts=1~2				A=M6 B=Ø6 C=45 D=Ø11 H=32 E=Ø7 Ts=1~5	
	Bright chrome-plated steel		Stainless steel		Bright chrome-plated steel	
	Model	ERP	Model	ERP	Model	ERP
L=55	LS506-55	LS506F3A550002	LS506-S55	LS506F4A550002	LS506-2-55	LS506F3A055001
L=60	LS506-60	LS506F3A600002	LS506-S60	LS506F4A600002	LS506-2-60	LS506F3A060001
L=70	LS506-70	LS506F3A700002	LS506-S70	LS506F4A700002	LS506-2-70	LS506F3A070001
L=84	LS506-84	LS506F3A840002	LS506-S84	LS506F4A840002	LS506-2-84	LS506F3A084001
L=90	LS506-90	LS506F3A090001	LS506-S90	LS506S4A090001	LS506-2-90	LS506F3A090002
L=100	LS506-100	LS506F3A100001	LS506-S100	LS506S4A100001	LS506-2-100	LS506F3A100008
L=102	LS506-102	LS506F3A102002	LS506-S102	LS506S4A102002	LS506-2-102	LS506F3A102001
L=119	LS506-119	LS506F3A119001	LS506-S119	LS506S4A119001	LS506-2-119	LS506F3A119004
L=122	LS506-122	LS506F3A122002	LS506-S122	LS506S4A122002	LS506-2-122	LS506F3A122001
L=135	LS506-135	LS506F3A135001	LS506-S135	LS506S4A135001	LS506-2-135	LS506F3A135005
L=149	LS506-149	LS506F3A149001	LS506-S149	LS506S4A149001	LS506-2-149	LS506F3A149002
L=155	LS506-155	LS506F3A155001	LS506-S155	LS506S4A155001	LS506-2-155	LS506F3A155002
L=160	LS506-160	LS506F3A160001	LS506-S160	LS506S4A160001	LS506-2-160	LS506F3A160002

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

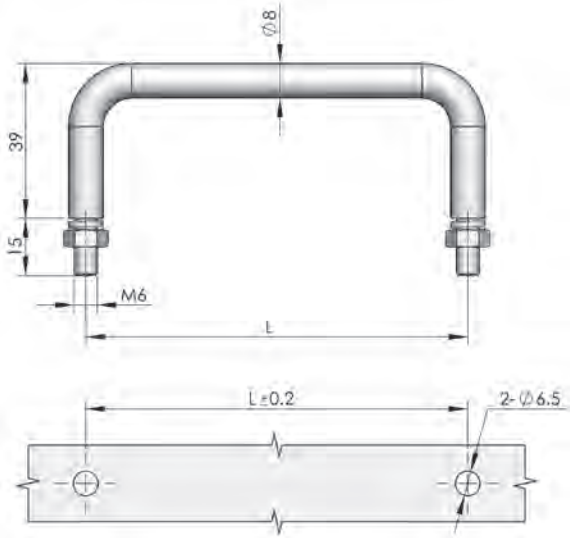
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

LS507



Main material and finish: Silk black powder coated steel

Performance parameter:
Maximum static load: 1500N(item LS507-S75)



Cut out

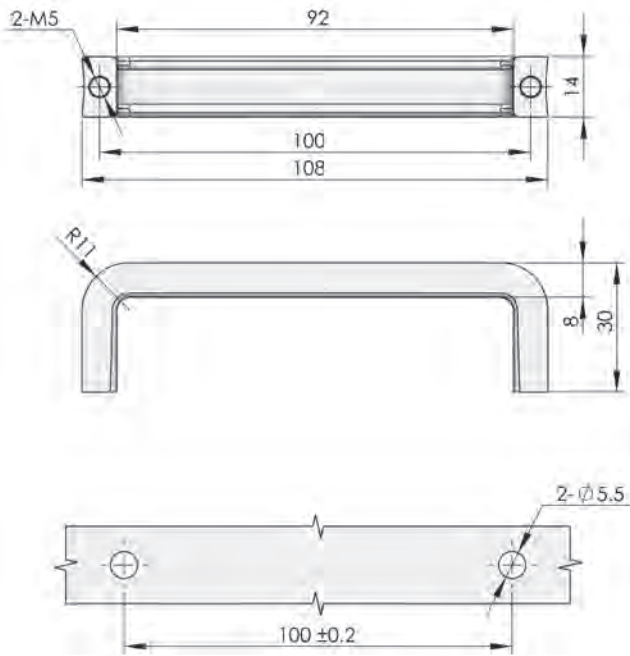
Specification	Bright chrome-plated steel		Stainless steel	
	Model	ERP	Model	ERP
L=68	LS507-68	LS507F3A068001	LS507-S68	LS507S4A068001
L=75	LS507-75	LS507F3A075001	LS507-S75	LS507S4A075001
L=100	LS507-100	LS507F3A075001	LS507-S100	LS507S4A100001
L=150	LS507-150	LS507F3A150001	LS507-S150	LS507S4A150001

LS510



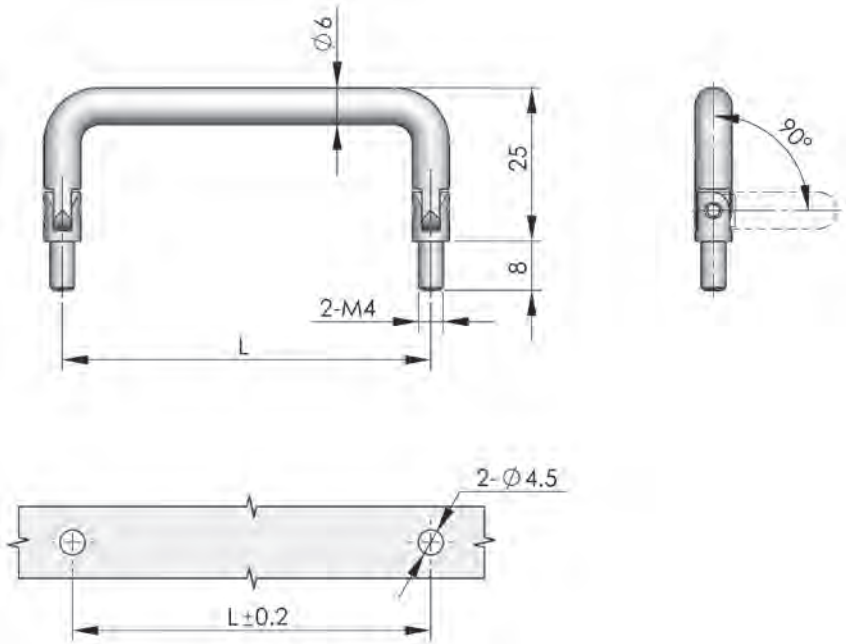
Material:ZDC

Performance parameter:
Maximum static load:1500N



Cut out

	chrome plated	Nanometer painted
ERP	LS510Z3A100001	LS510Z2B100001



Cut out

Specification	Bright chrome-plated steel		Stainless steel	
	Model	ERP	Model	ERP
L=55	LS508-55	LS508F3A055001	LS508-S55	LS508S4A055001
L=60	LS508-60	LS508F3A060001	LS508-S60	LS508S4A060001
L=70	LS508-70	LS508F3A070001	LS508-S70	LS508S4A070001
L=74	LS508-74	LS508F3A074001	LS508-S74	LS508S4A074001
L=84	LS508-84	LS508F3A084001	LS508-S84	LS508S4A084001
L=90	LS508-90	LS508F3A090001	LS508-S90	LS508S4A090001
L=102	LS508-102	LS508F3A102001	LS508-S102	LS508S4A102001
L=122	LS508-122	LS508F3A122001	LS508-S122	LS508S4A122001
L=138	LS508-138	LS508F3A138001	LS508-S138	LS508S4A138001

LS508



Main material: Stainless steel or steel

Performance parameter:
Maximum static load: 1200N(L=90)

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

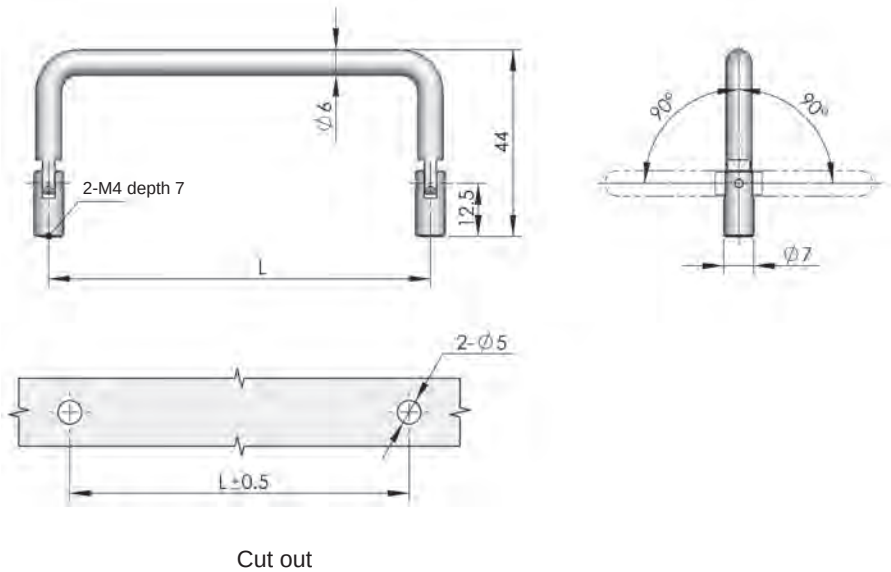
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

LS509

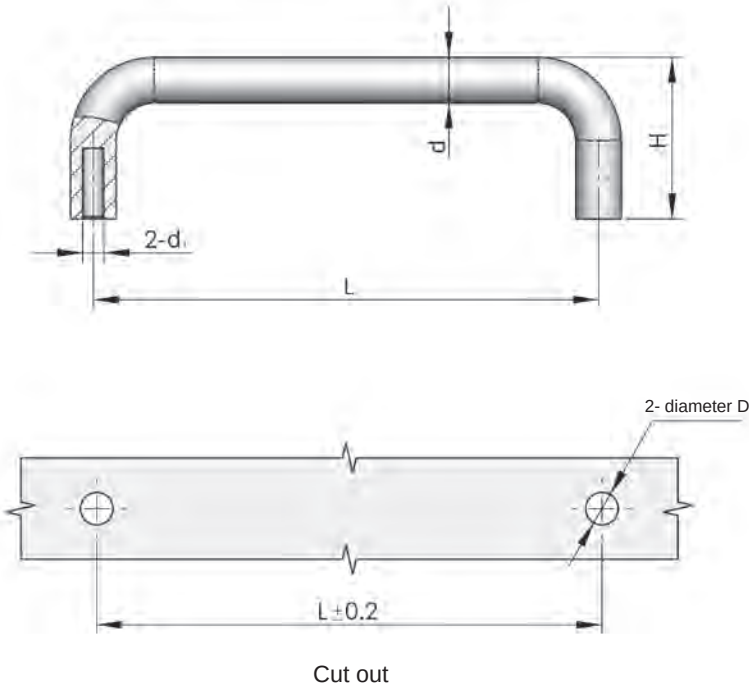


Main material and finish: Polished or bright chrome-plated stainless steel or steel

Performance parameter:
Maximum static load: 1000N (L=90)



Specification	Bright chrome-plated steel		Stainless steel	
	Model	ERP	Model	ERP
L=55	LS509-55	LS509F3A055001	LS509-S55	LS509S4A055001
L=60	LS509-60	LS509F3A060001	LS509-S60	LS509S4A060001
L=70	LS509-70	LS509F3A070001	LS509-S70	LS509S4A070001
L=74	LS509-74	LS509F3A074001	LS509-S74	LS509S4A074001
L=84	LS509-84	LS509F3A084001	LS509-S84	LS509S4A084001
L=90	LS509-90	LS509F3A090001	LS509-S90	LS509S4A090001
L=102	LS509-102	LS509F3A102001	LS509-S102	LS509S4A102001
L=122	LS509-122	LS509F3A122001	LS509-S122	LS509S4A122001
L=138	LS509-138	LS509F3A138001	LS509-S138	LS509S4A138001



LS511



Performance parameter:
Item:LS511-Z-120
Maximum static load: 1800N

Bright chrome-plated steel		Stainless steel (mirror polished)		Bright chrome-plated ZDC		Specification				
Model	ERP	Model	ERP	Model	ERP	L	d	H	d _i	D
LS511-B55	LS511F3A055001	LS511-BS55	LS511S4A055001			55	6	26	M4	Ø 4.5
LS511-B60	LS511F3A060001	LS511-BS60	LS511S4A060001			60	6	26	M4	Ø 4.5
LS511-B70	LS511F3A070001	LS511-BS70	LS511S4A070001			70	6	32	M4	Ø 4.5
LS511-B82	LS511F3A082001	LS511-BS82	LS511S4A082001			82	6	26	M4	Ø 4.5
LS511-B90	LS511F3A090001	LS511-BS90	LS511S4A090001			90	6	32	M4	Ø 4.5
LS511-B102	LS511F3A102001	LS511-BS102	LS511S4A102001			102	6	32	M4	Ø 4.5
LS511-B122	LS511F3A122001	LS511-BS122	LS511S4A122001			122	6	32	M4	Ø 4.5
LS511-B138	LS511F3A138001	LS511-BS138	LS511S4A138001			138	6	32	M4	Ø 4.5
LS511-A75	LS511F3A075001	LS511-AS75	LS511S4A075001			75	8	40	M5	Ø 6
LS511-A100	LS511F3A100001	LS511-AS100	LS511S4A100001			100	8	32	M5	Ø 6
LS511-A150	LS511F3A150001	LS511-AS150	LS511S4A150001			150	8	40	M5	Ø 6
LS511-90	LS511F3A090002	LS511-S90	LS511S4A090002			90	9	32	M5	Ø 6
LS511-100	LS511F3A100002	LS511-S100	LS511S4A100002			100	9	32	M5	Ø 6
LS511-119	LS511F3A119001	LS511-S119	LS511S4A119001			119	9	40	M5	Ø 6
LS511-135	LS511F3A135001	LS511-S135	LS511S4A135001			135	9	32	M5	Ø 6
LS511-149	LS511F3A149001	LS511-S149	LS511S4A149001			149	9	40	M5	Ø 6
LS511-155	LS511F3A155001	LS511-S155	LS511S4A155001			155	9	32	M5	Ø 6
LS511-160	LS511F3A160001	LS511-S160	LS511S4A160001			160	9	40	M5	Ø 6
				LS511-Z101	LS511Z3A101001	101	9	29	M5	Ø 6
				LS511-Z120	LS511Z3A120001	120	10	37	M6	Ø 7
				LS511-Z180	LS511Z3A180001	180	12	45	M5	Ø 7

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

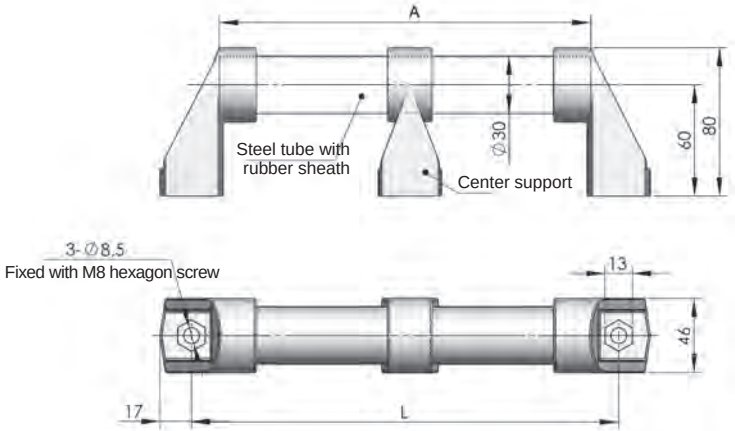
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

LS513



Main material and finish: Rubber sheath, steel tube, black PA end pieces and center support

Performance parameter:
Maximum static load: 600N (L=300)



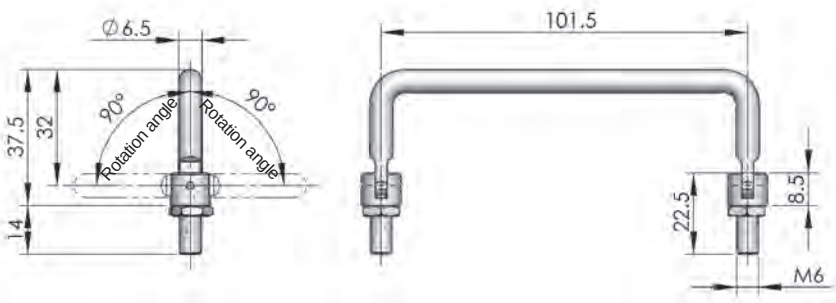
Specification		Model	ERP
L	A		
300	266	LS513-300	LS513N003000001
400	366	LS513-400	LS513N004000002
500	466	LS513-500	LS513N005000001
600	566	LS513-600	LS513N006000001
700	666	LS513-700	LS513N007000002
800	766	LS513-800	LS513N008000001
900	866	LS513-900	LS513N009000002
1000	966	LS513-1000	LS513N000000A02
2000	1966	LS513-2000	LS513N000000B01

LS515



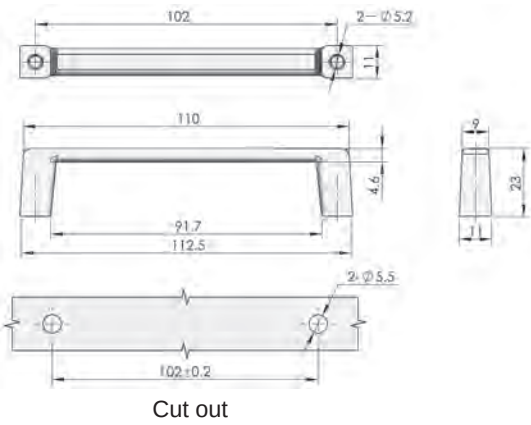
Main material and finish: Black powder coated steel

Performance parameter:
Maximum static load: 800N



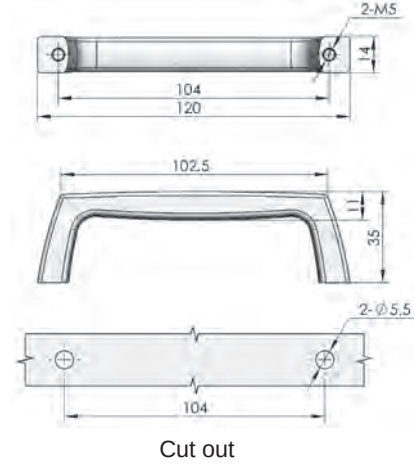
ERP	LS515F1A102001
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LS514-1



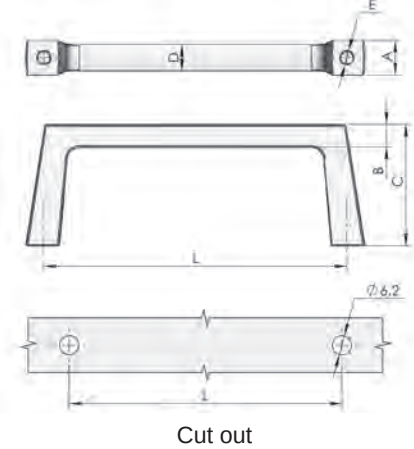
ERP	LS514Z3A102001
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LS514-2



ERP	LS514Z2B104001
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LS514-3-4-5



Model	ERP	Specification					
		A	B	C	D	L	E
LS514-3	LS514A2B100001	10.5	7	32	8	100	2-M6
LS514-4	LS514A2B125001	14.5	9.5	50	11	125	2-M6
LS514-5	LS514A2B130001	18.5	9.5	40	16	130	2-M6

LS514-1



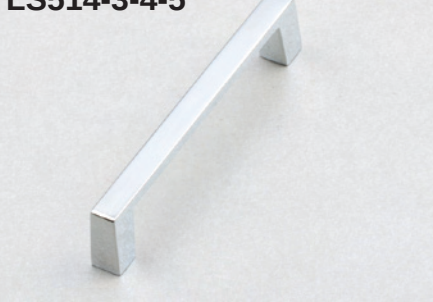
Main material and finish: Bright chrome plated ZDC

LS514-2



Main material and finish: Nanometer painted ZDC

LS514-3-4-5



Main material and finish: Nanometer painted aluminium alloy

Performance parameter:
Maximum static load: 800N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

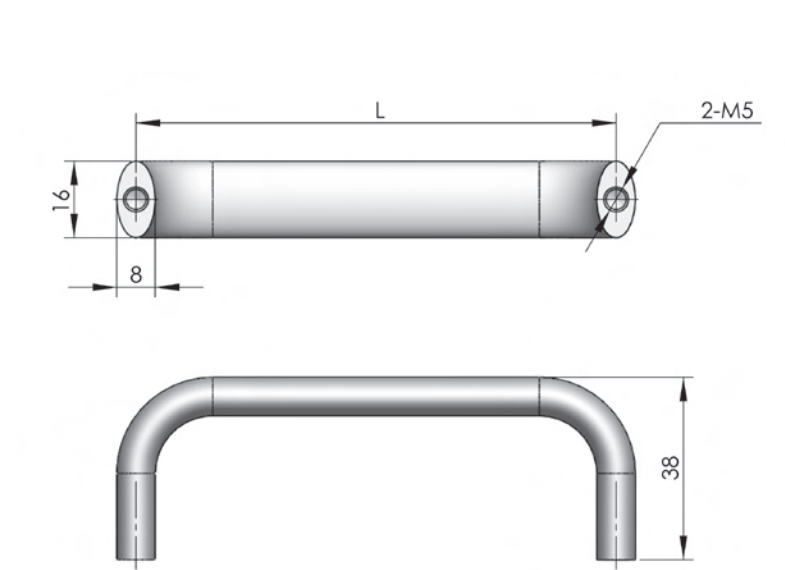
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

LS516

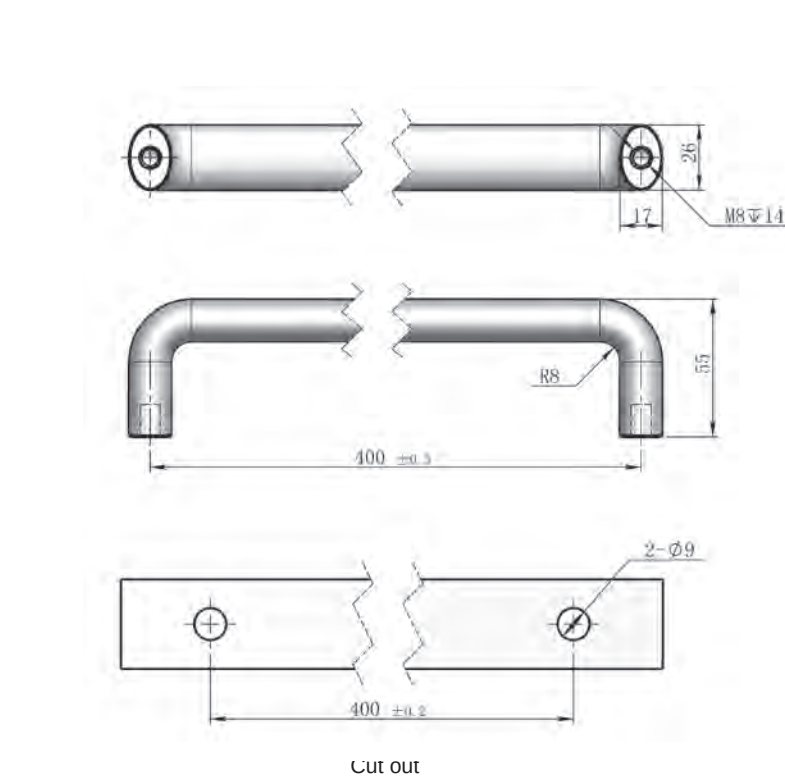


Main material and finish: Silk black powder coated aluminum alloy

Performance parameter:
Maximum static load: 2500N (L=100)



Specification	Model	ERP
L		
75	LS516-75	LS516A1A075001
100	LS516-100	LS516A1A100001
125	LS516-125	LS516A1A125001
150	LS516-150	LS516A1A150001
175	LS516-175	LS516A1A175001



ERP	LS516A2A400001
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LS516-2A-1D



Main material and finish:Black painted aluminum alloy

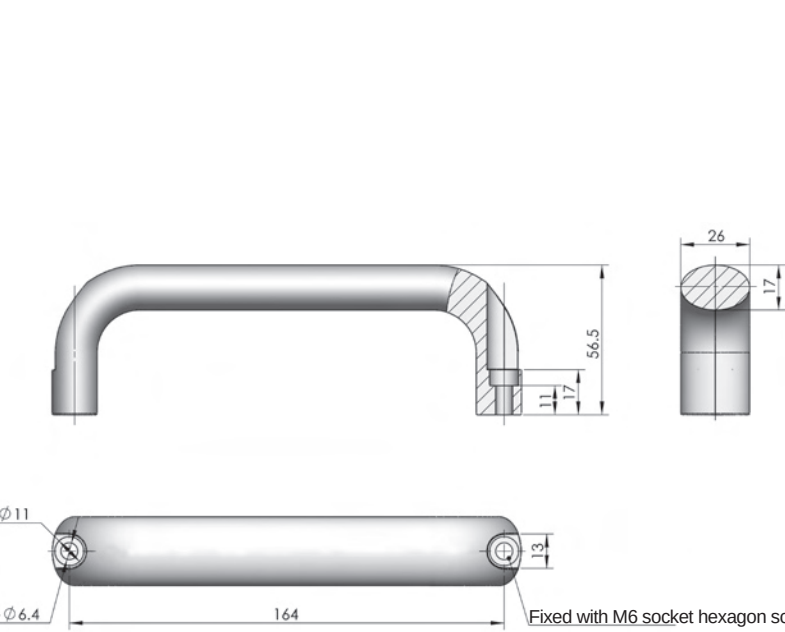
Performance parameter:
Maximum static load: 1000N

LS516-2A

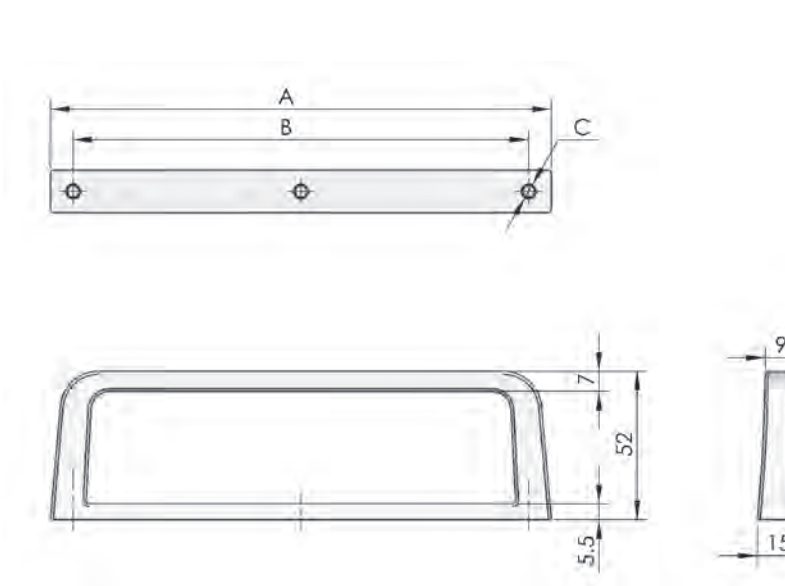


Main material and finish: Silk black powder coated aluminum alloy

Performance parameter:
Maximum static load: 3000N



ERP	LS516A1A164001
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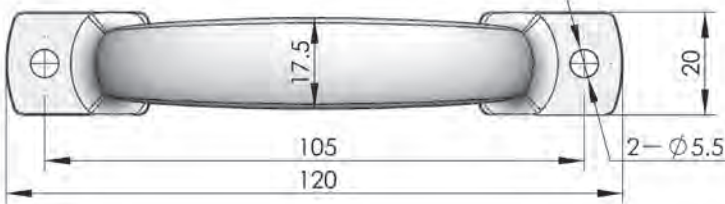
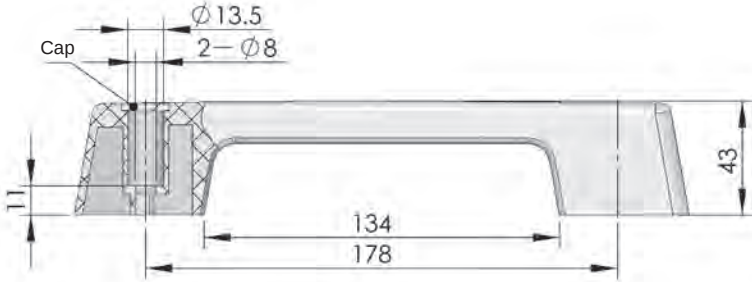
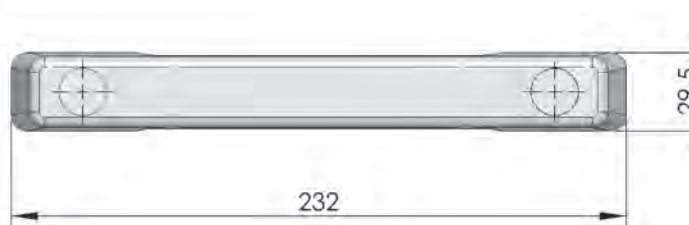
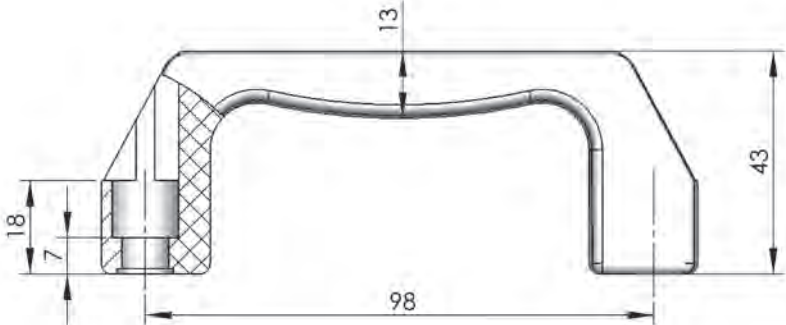
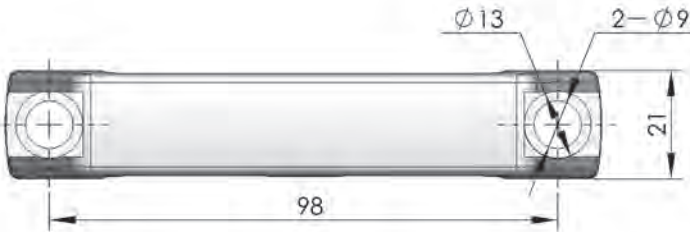
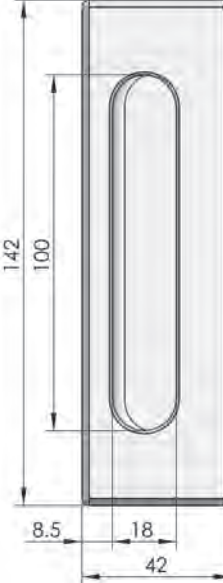
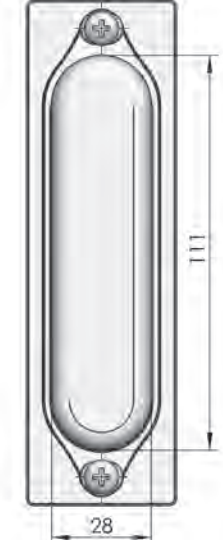
Model	ERP	Specification		
		A	B	C
LS518-1U	LS518Z2B030001	42.6	30	2 - M4
LS518-2U	LS518Z2B071001	86.7	71	2 - M5
LS518-3U	LS518Z2B116001	131.2	115.5	2 - M5
LS518-4U	LS518Z2B160001	176	160	3 - M5

LS518



Main material and finish: Nanometer painted ZDC handle

Performance parameter:
Maximum static load: 1500N

Accessories	LS519  Main material and finish: Mirror polishing stainless steel handle Performance parameter: Maximum static load: 850N	  ERP LS519S4A105001	  ERP LS521N00178001	LS521  Main material and finish: Black ABS Performance parameter: Maximum static load: 1050N	Accessories
Electronic lock					Electronic lock
Handle lock					Handle lock
Cylinder lock					Cylinder lock
Plane lock					Plane lock
Rod control lock					Rod control lock
Panel lock	LS520  Main material and finish: Black ABS Performance parameter: Maximum static load: 980N	  ERP LS520N00098001	   ERP LS523Z3A126001	LS523  Main material and finish: Bright chrome plated ZDC Performance parameter: Maximum static load: 400N	Panel lock
Toggle and hook					Toggle and hook
Handles					Handles
Door stop					Door stop
Hinge					Hinge
Seal gasket					Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

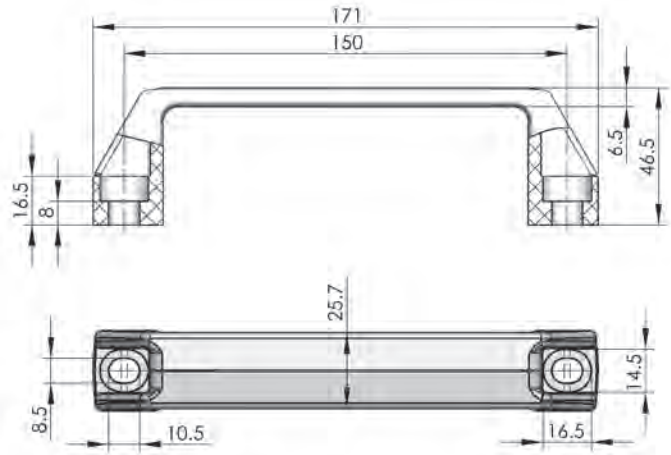
LS522



Main material and finish: Black PA

Performance parameter:
Maximum static load: 800N

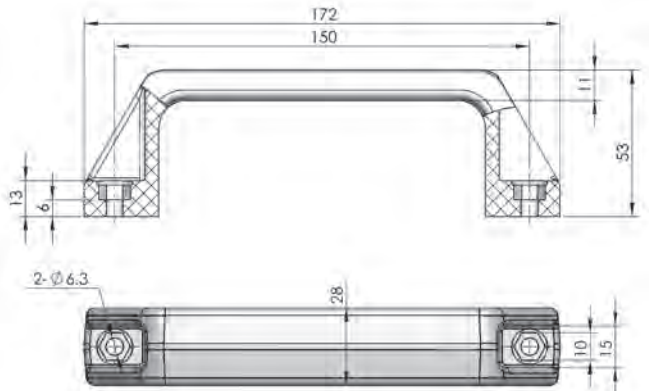
LS522-1



ERP

LS522N00150001

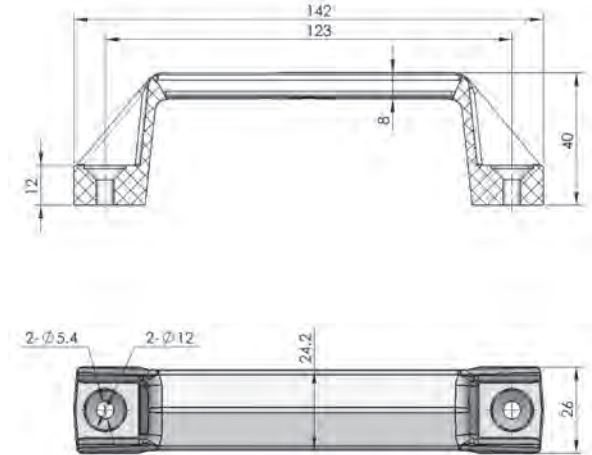
LS522-2



ERP

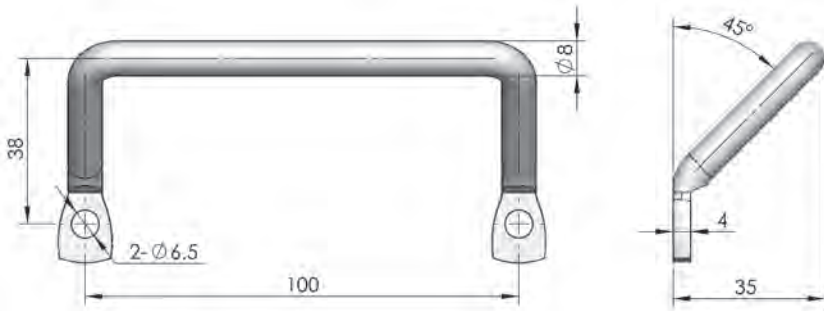
LS522N00150002

LS522-3



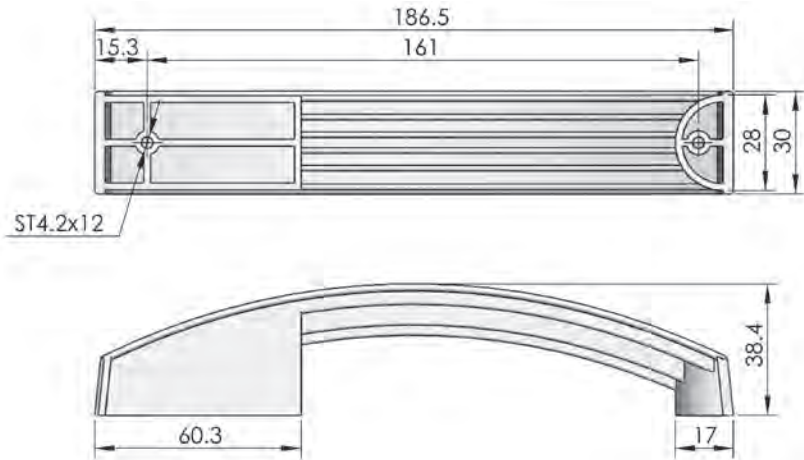
ERP

LS522N00123001



ERP

LS531F3A100001



ERP

LS532N000000001

LS531



Main material and finish: Bright chrome plated steel

Performance parameter:
Maximum static load: 2595N

LS532



Main material and finish: Grey PC

Performance parameter:
Maximum static load: 500N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

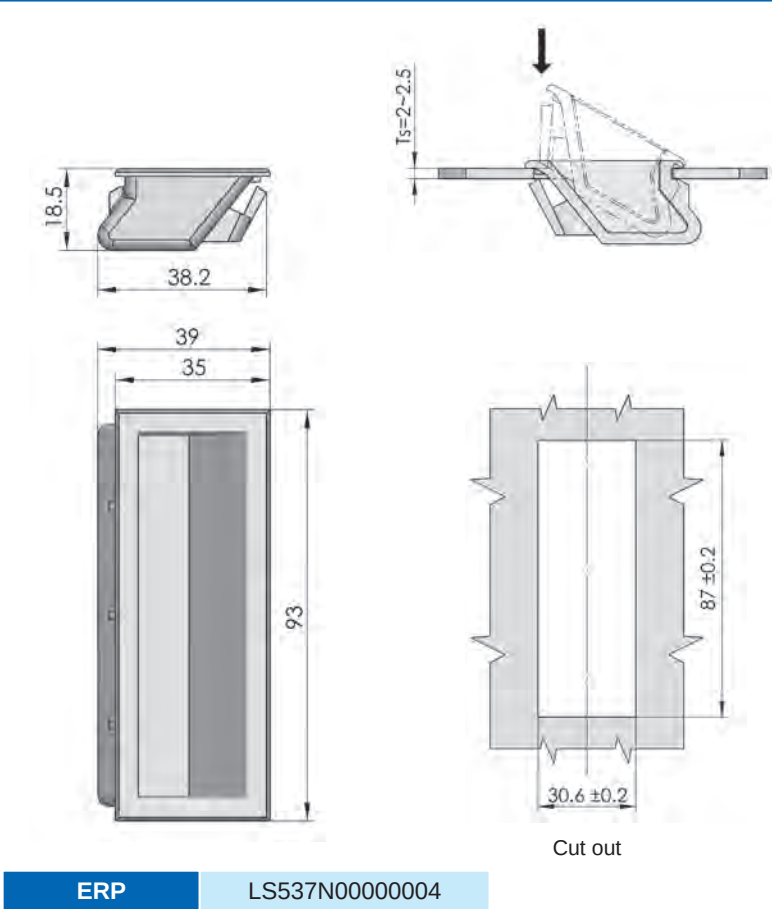
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

LS537-3



Main material and finish: Black ABS

Performance parameter:
Maximum static load: 400N

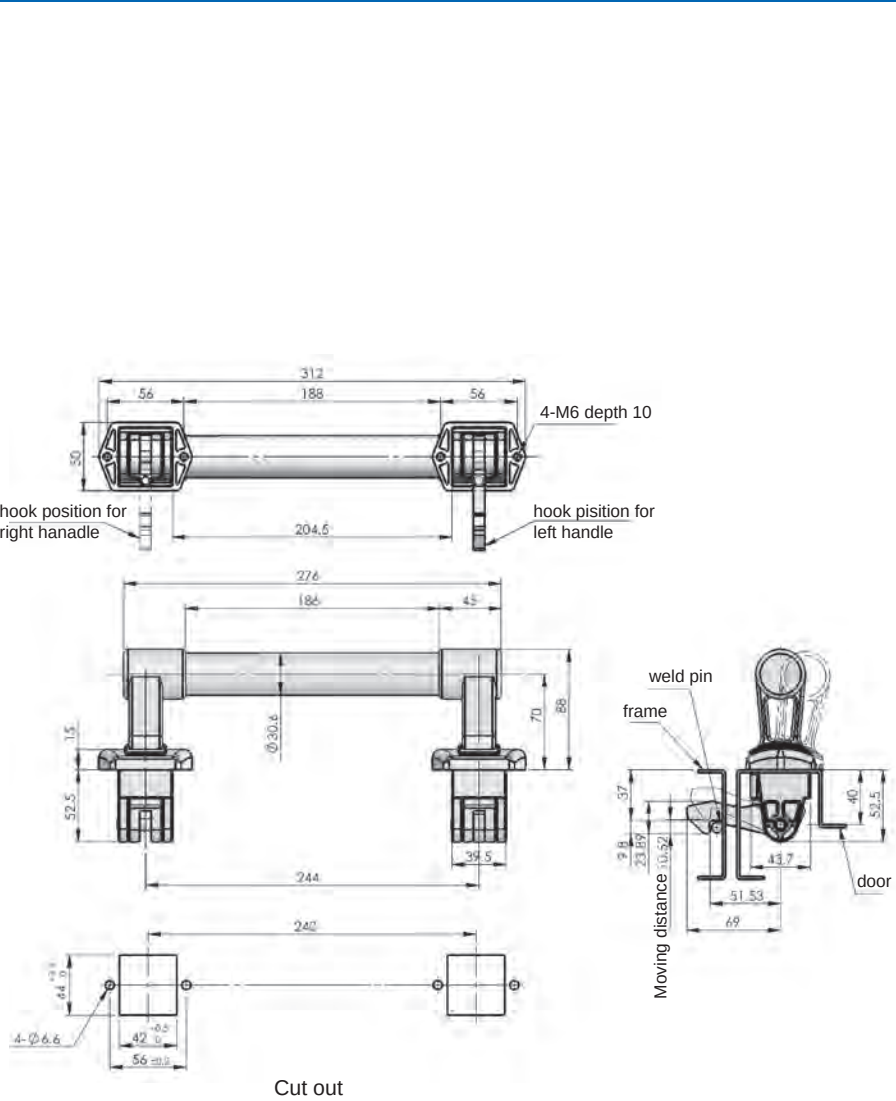
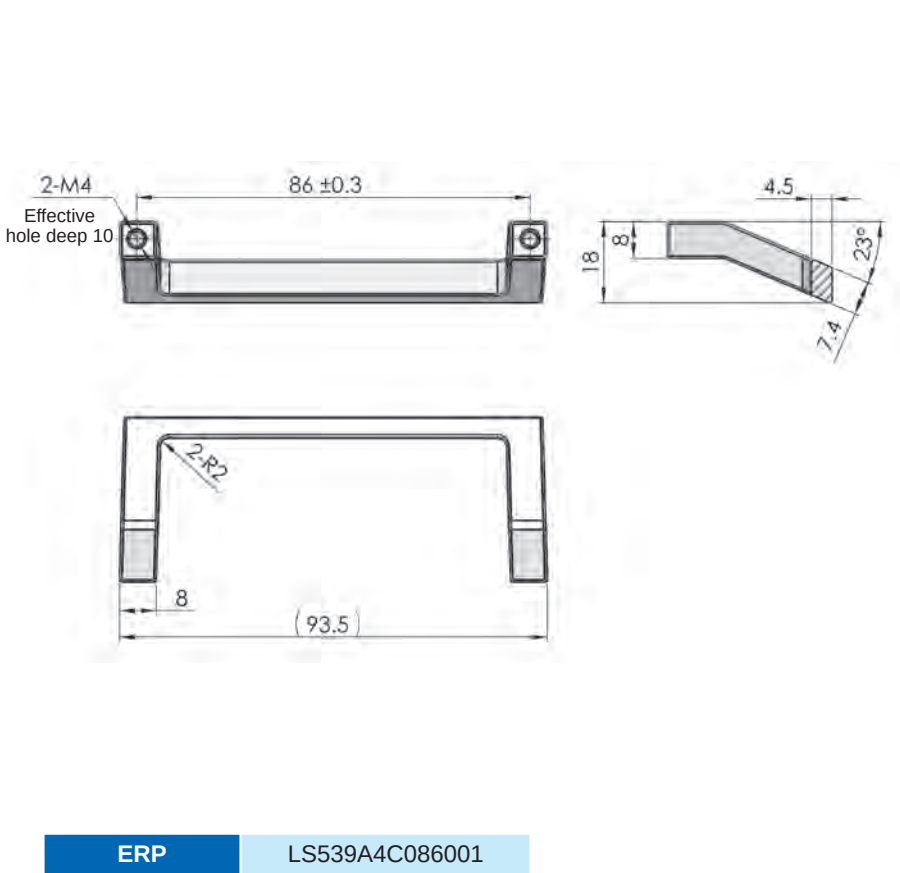


LS539



Main material and finish: Grind vibration polishing Aluminum handle

Performance parameter:
Maximum static load: 1790N



LS546-Y



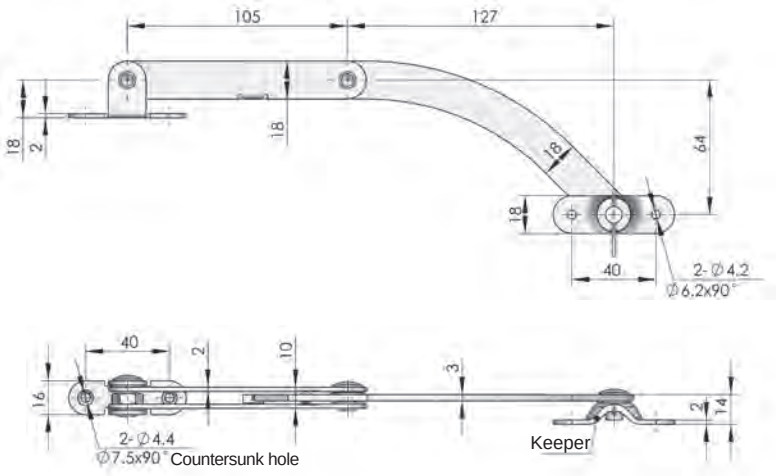
Main material and finish: Black painted ZDC housing,PVC packed steel pipe
Application: unlock the hook by the swing handle, different hook installation position for the left and right handle

Performance parameter:
Maximum static load: 1000N

	LS546-Z LH	LS546-Y RH
ERP	LS546Z2A266001	LS546Z2A266002

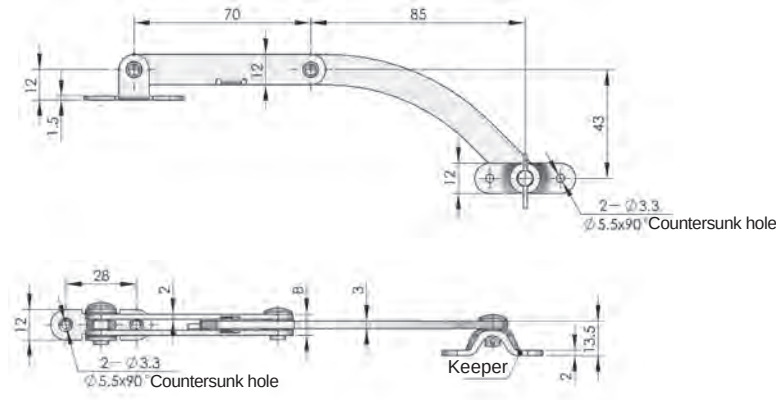
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

DOOR STOP SERIES



TX80-1

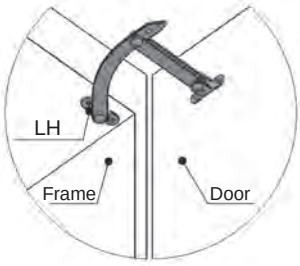
Remark: change the fitting direction of the keeper to suit RH or LH application



TX80-2

Remark: change the fitting direction of the keeper to suit RH or LH application

Example of application



Specification	Model	ERP	Model	ERP
LH	TX80-1-Z	TX080F3A001	TX80-2-Z	TX080F3A005
RH	TX80-1-Y	TX080F3A002	TX80-2-Y	TX080F3A006

TX80-1

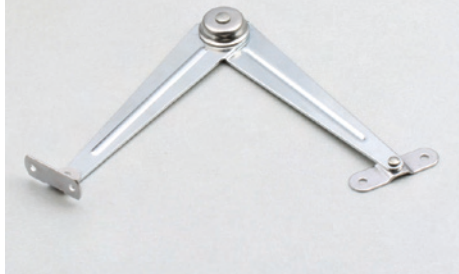
TX80-2

Main material and finish: Bright chrome plated steel body

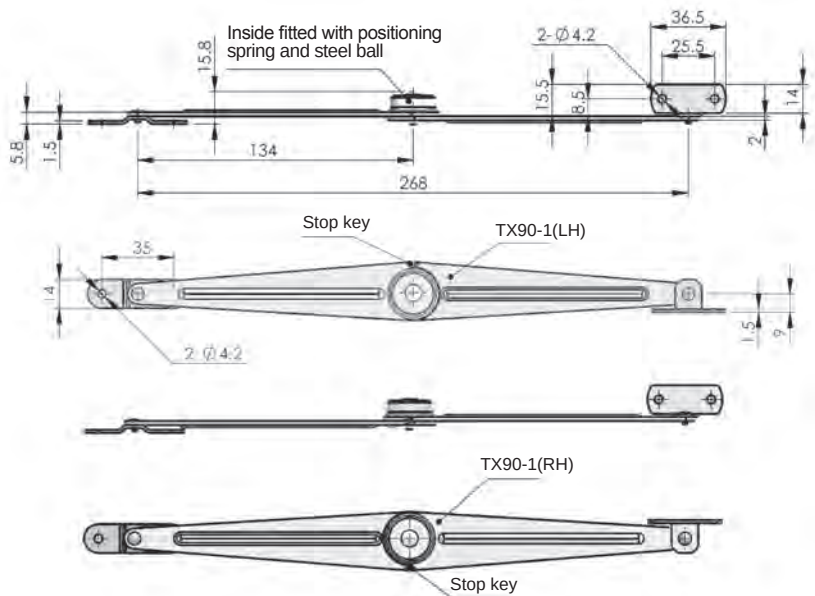
Accessories	Electronic lock	Handle lock	Cylinder lock	Plane lock	Rod control lock	Panel lock	Toggle and hook	Handles	Door stop	Hinge	Seal gasket
-------------	-----------------	-------------	---------------	------------	------------------	------------	-----------------	---------	-----------	-------	-------------

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

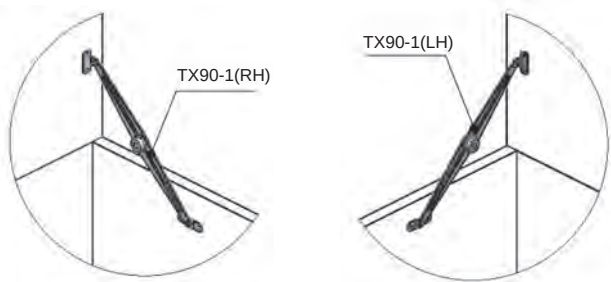
TX90-1



Main material and finish: Bright chrome plated steel



Example of application

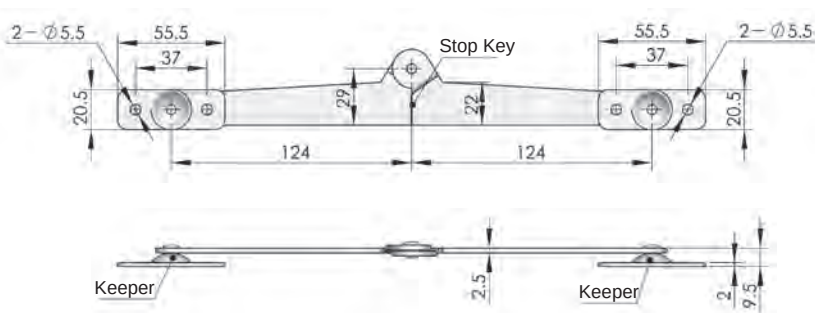


	TX90-1-Z LH	TX90-1-Y RH
ERP	TX090F3A001	TX090F3A002

TX90-3



Main material and finish: Chrome plated steel

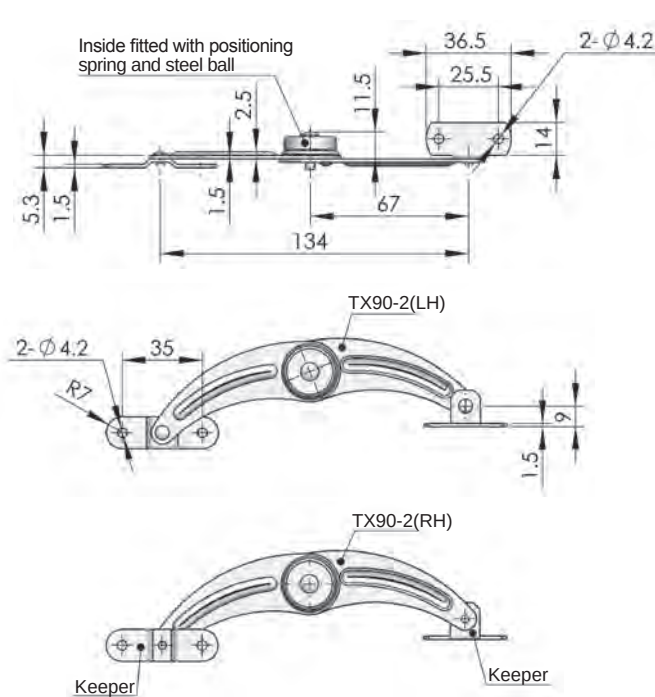


ERP	TX090F3A011
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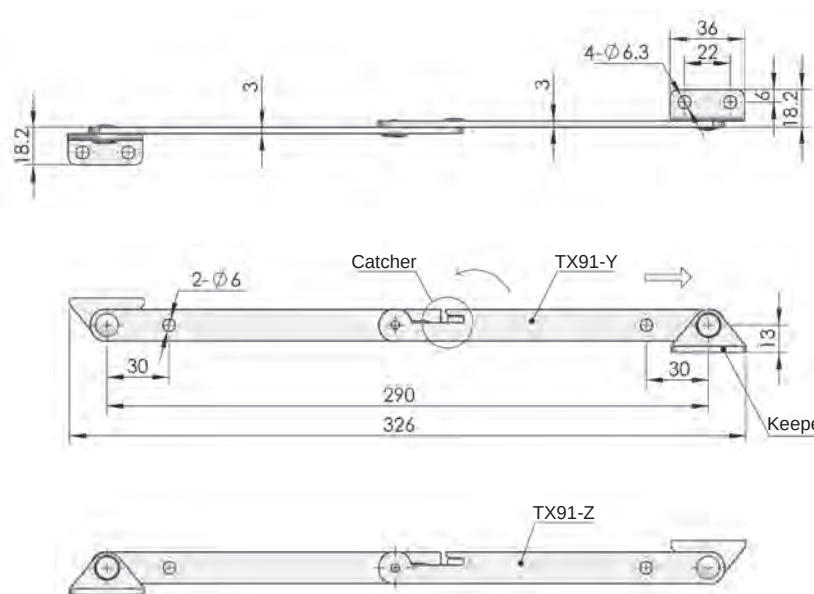
TX90-2



Main material and finish: Bright chrome plated steel



	TX90-2-Z LH	TX90-2-Y RH
ERP	TX090F3A008	TX090F3A009



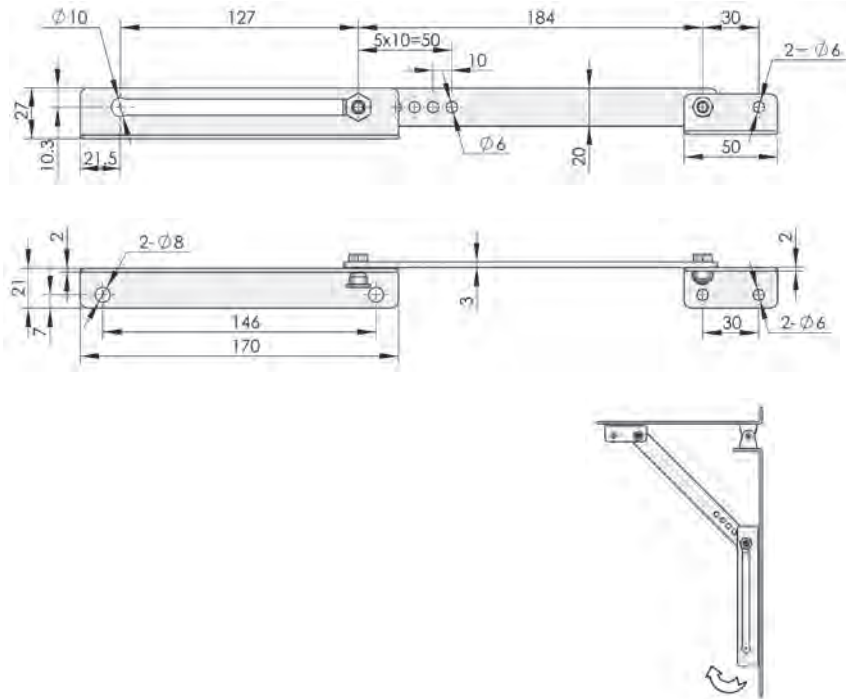
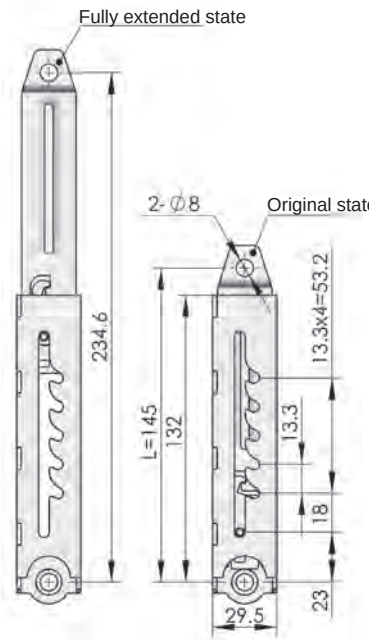
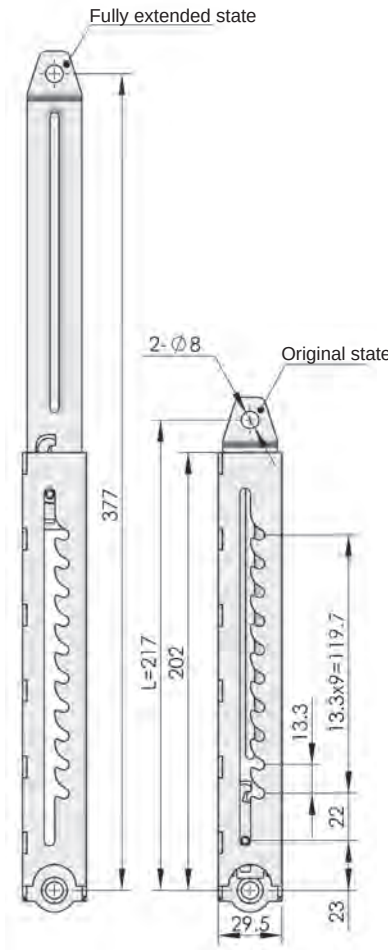
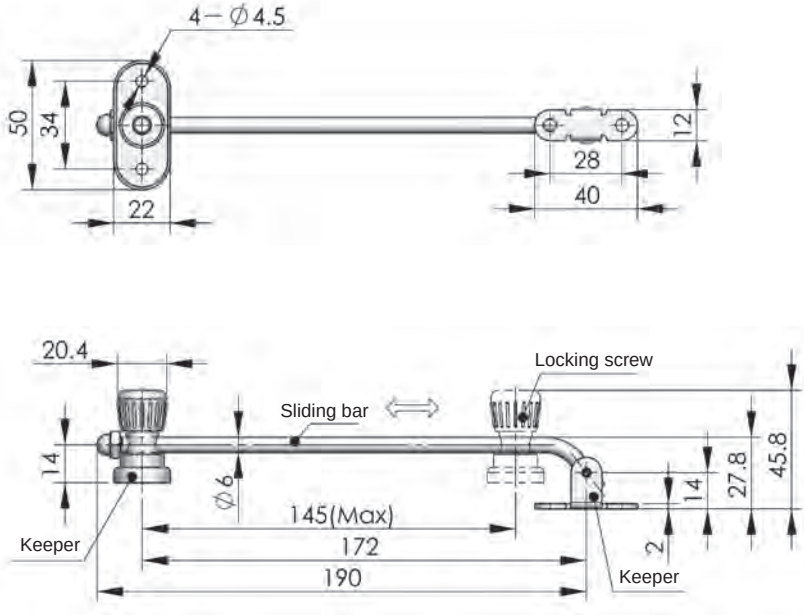
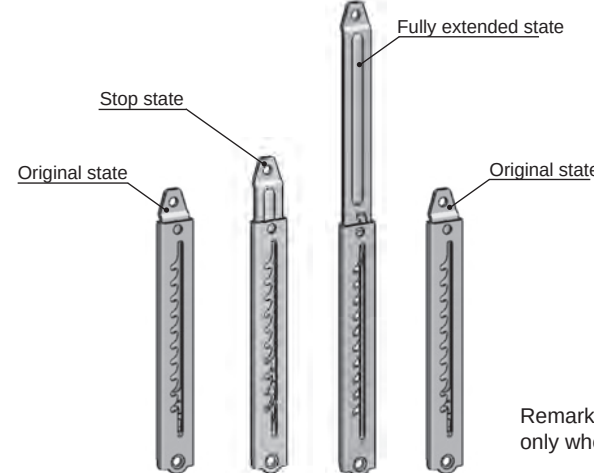
	TX91-1-Z LH	TX91-2-Y RH
ERP	TX091S00002	TX091S00001

TX91

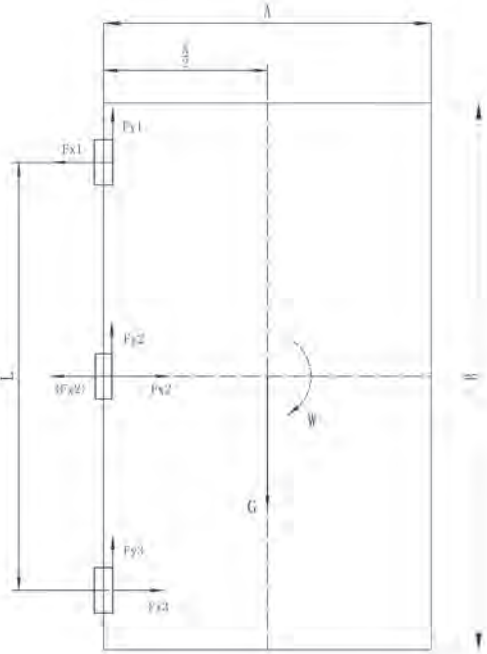


Main material: Stainless steel

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories	TX92-2  Main material: Stainless steel	 ERP TX092S00002	TX101-1 	TX101-2 	TX101-2  Main material and finish: Zinc plated steel Application: Automatic multiple stops and release in the end position	Electronic lock													
Handle lock																			
Cylinder lock																			
Plane lock																			
Rod control lock																			
Panel lock	TX100-B  Main material and finish: Bright chrome plated steel body, bright chrome plated steel body, locking screw and ZDC knob	 ERP TX100F3A001	Different states of telescopic cover stay  Remark: Extension rod retracts only when fully extended <table><tr><th>Specification</th><th>Model</th><th>ERP</th></tr><tr><td>L=145</td><td>TX101-1</td><td>TX101F3D001</td></tr><tr><td>L=217</td><td>TX101-2</td><td>TX101F3D002</td></tr></table>	Specification	Model	ERP	L=145	TX101-1	TX101F3D001	L=217	TX101-2	TX101F3D002	Rod control lock	Panel lock	Toggle and hook	Handles	Door stop	Hinge	Seal gasket
Specification	Model	ERP																	
L=145	TX101-1	TX101F3D001																	
L=217	TX101-2	TX101F3D002																	
Toggle and hook																			
Handles																			
Door stop																			
Hinge																			
Seal gasket																			

Hinge calculation instructionsv



Hinge calculation formula:

No. of hinge=n,door width = A; door height = B; door weight = G; hinge installation distance = L

Axial force Fy analysis:

$F_y = G * 1/n$
That is, $F_{y1} + F_{y2} + F_{y3} = G$ $F_{y1} = F_{y2} = F_{y3} = G/n$

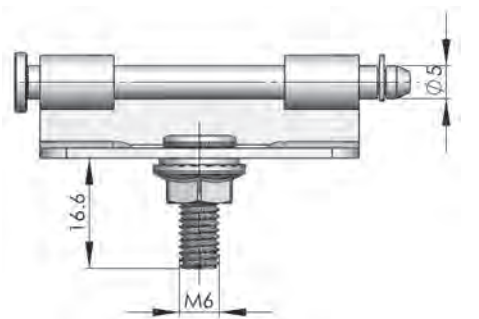
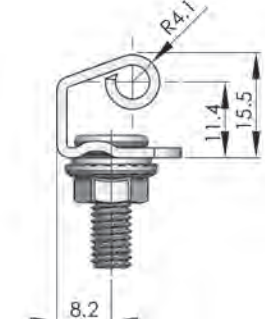
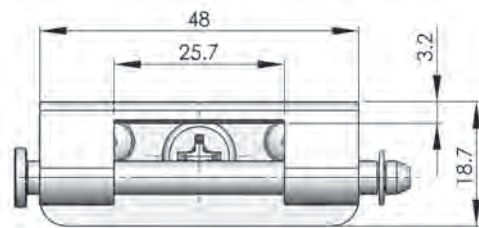
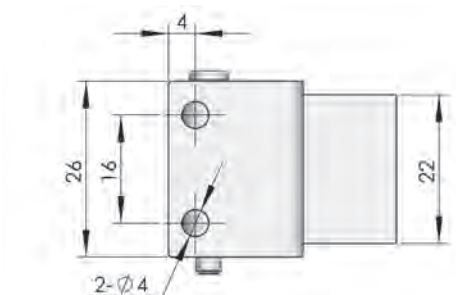
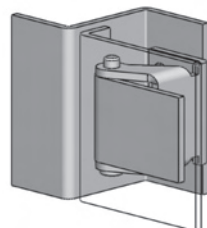
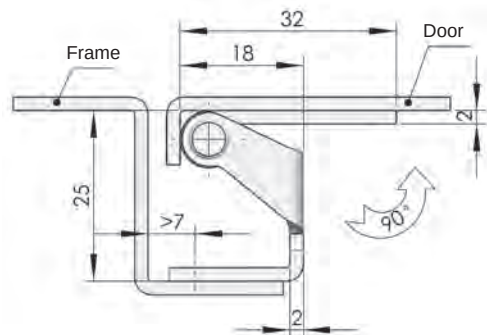
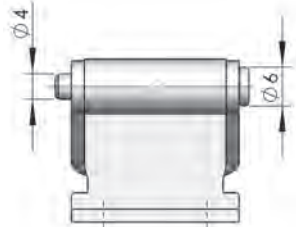
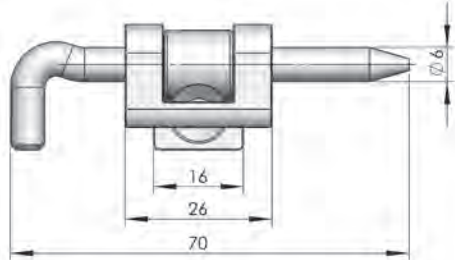
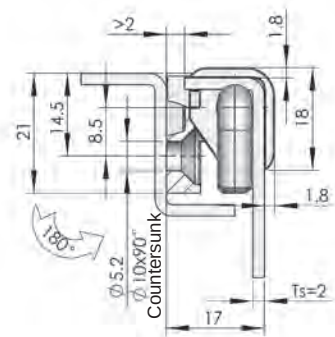
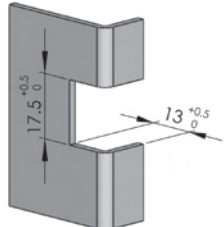
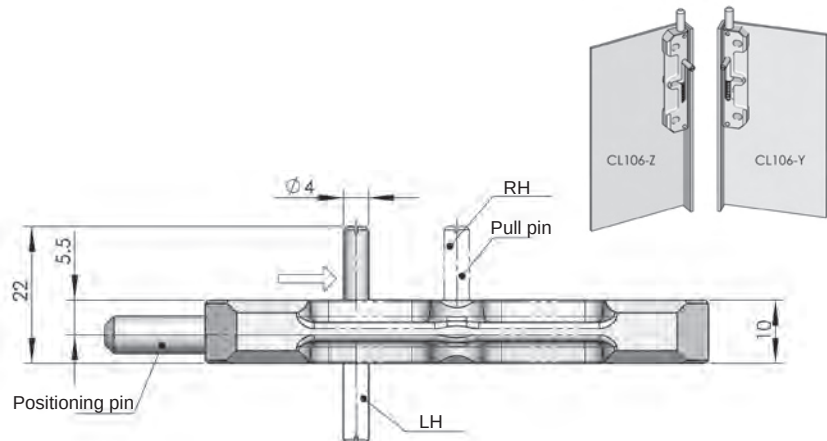
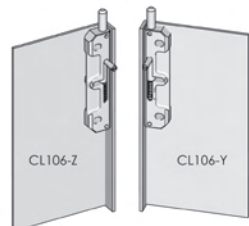
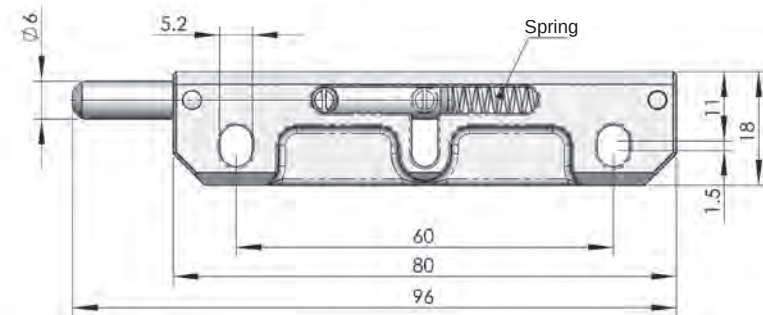
Radial force Fx analysis:

As pic shows, F_{x2} and center door weight G at the same height position,
This horizontal force is not applied to the center hinge $F = 0$;
So: $F_{x2}=0$
 $W = G * A/2 = L * F_x$
 $F_x = F_{x1} = F_{x3}$
 $F_{x1} = F_{x3} = G * A/2 L$

Remark: while Selection, every hinge can support bearing door weight; in static conditions, the selection can be based on catalog data;
Above for the theoretical calculation formula;

HINGE SERIES

										
CL103	CL104	CL105	CL106	CL108	CL109	CL111-2	CL115	CL116	CL117	CL119
										
CL121	CL123	CL124	CL125	CL126	CL127	CL128	CL132	CL133	CL135	CL137
										
CL138	CL139	CL142	CL145	CL148	CL150	CL152	CL152-2	CL154	CL156	CL158
										
CL158-2	CL163	CL167	CL173	CL178	CL201-1	CL202-1	CL203-1	CL203-2	CL203-4	CL204-1
										
CL204-3	CL204-3S	CL204-3F	CL205-1	CL206-1	CL207	CL208	CL210	CL209	CL211	CL212
										
CL213-1	CL214	CL215	CL218	CL219	CL220	CL221	CL222	CL223	CL225-3	CL225-5
										
CL226	CL226-1K	CL226-8	CL228	CL229-2A	CL230	CL231-1	CL232	CL233	CL234	CL235
										
CL237	CL237-3	CL238	CL240-1	CL244	CL246	CL247	CL248	CL249	CL250-1	CL250-6
										
CL251	CL253-1	CL253-2	CL253-5	CL253-6	CL253-9	CL253-10	CL254	CL257	CL260	CL261
										
CL263	CL264	CL266	CL268	CL269	CL272	CL273	CL274	CL275-1	CL276	CL280
										
CL281	CL282-1	CL283	CL289	CL290	CL293	CL295	CL296	CL297	CL331	CL332

Accessories	CL103   Main material: steel hinge and pin Finish:yellow zinc plated Performance parameter: Maximum static load Radial load: 310N Axial load: 155N	   ERPCL103F3C001	    ERPCL105F3D001	CL105   Main material and finish: 3+ zinc plated steel hinge and pin Application: Opening angle 180° Performance parameter: Maximum static load Radial load: 60N Axial load: 120N	Electronic lock	Handle lock	Cylinder lock	Plane lock	Rod control lock
Panel lock					Panel lock				
Toggle and hook					Toggle and hook				
Handles					Handles				
Door stop					Door stop				
Hinge	CL104   Main material and finish: Black powder coated ZDC hinge and stainless steel pin Application: Opening angle 180° Performance parameter: Maximum static load Radial load: 405N Axial load: 805N	   Door cutout ERPCL104Z1A001	   ERPCL106Z3I001	CL106   Main material and finish: Sand-spraying and nickel plated ZDC hinge, stainless steel shaft and spring Application: By changing the direction of pin to realise the shift between LH and RH Performance parameter: Maximum static load Radial load: /N Axial load: 645N	Panel lock	Toggle and hook	Handles	Door stop	Hinge
Seal gasket	Seal gasket								

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

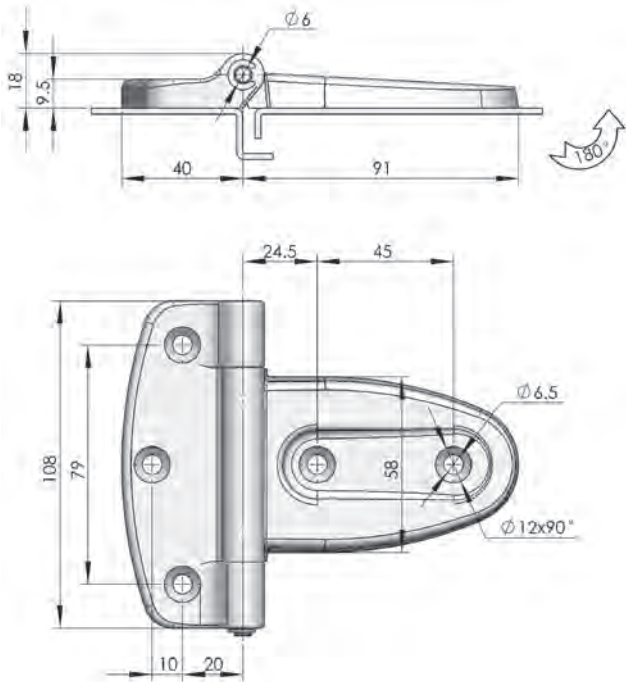
Seal gasket

CL108



Main material and finish: Black PA hinge, and nickel plated stainless steel pin
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 800N
Axial load: 600N



ERP

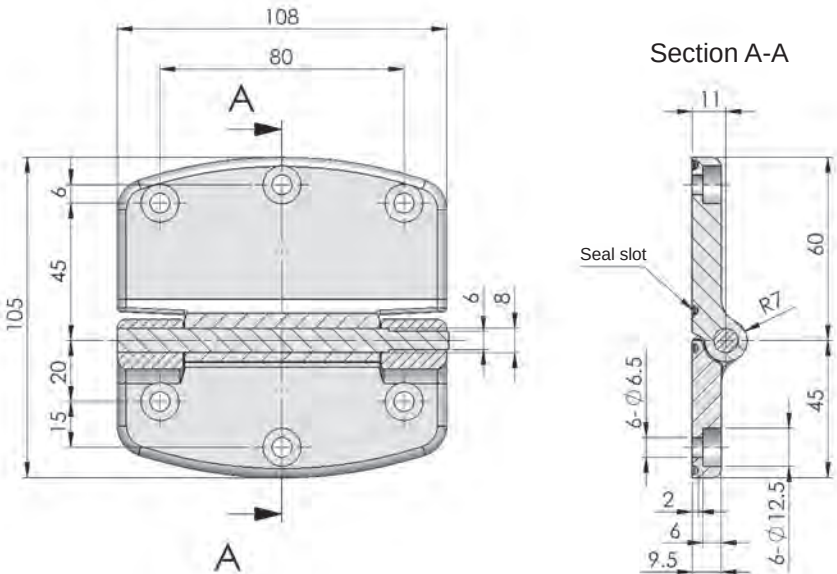
CL108N00001

CL108-2



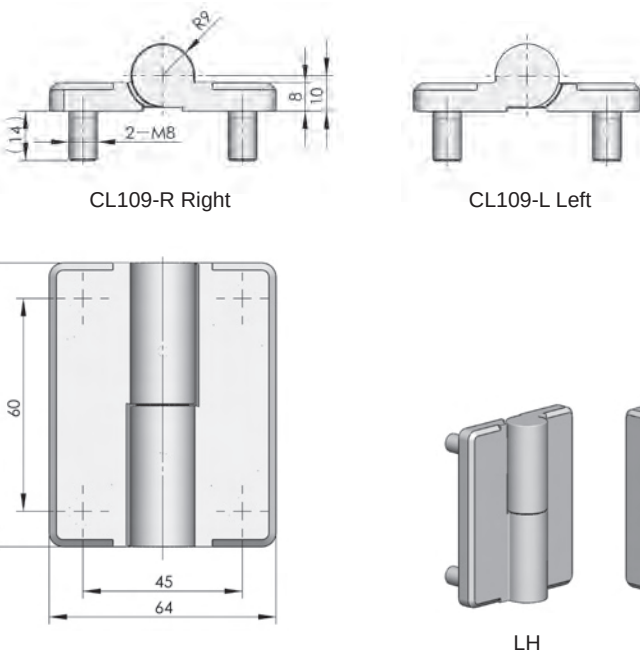
Main material: steel hinge
Finish:black powder coated
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 3000N
Axial load: 3000N



ERP

CL108F1A001



CL109-R Right

CL109-L Left

LH

RH

ERP

CL109-Z Left hinge

CL109-Y Right hinge

CL109Z1A002

CL109Z1A001

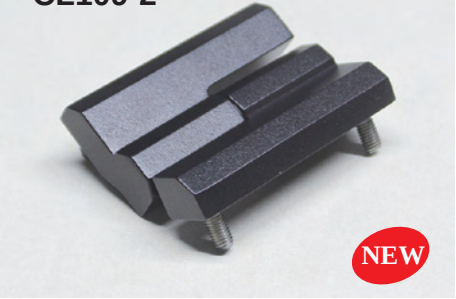
CL109



Main material and finish: Black powder coated ZDC hinge and stainless steel screw
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 2500N
Axial load: 2500N

CL109-2



Main material: ZDC hinge, stainless steel pin,PTFE gasket
Finish: black powder coated

Performance parameter:
Maximum static load
Radial load: 1800N
Axial load: 1600N

ERP

CL109Z1B001

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

286

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

CL115



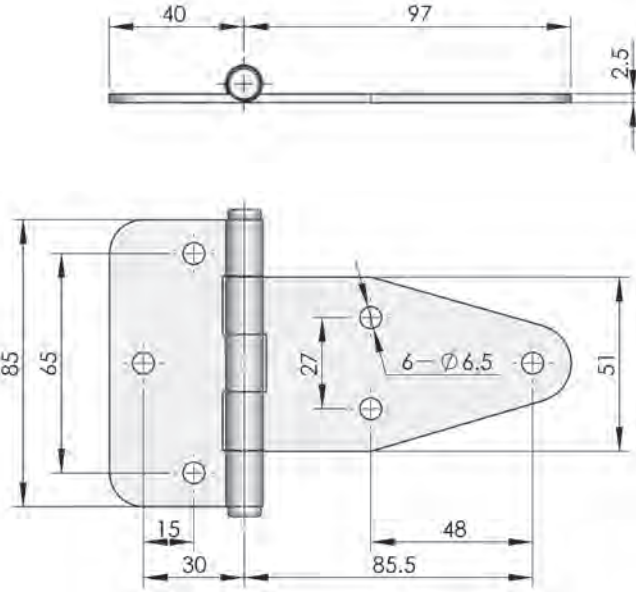

INOX AISI 316

Main material and finish: Mirror polishing stainless steel hinge
Application: Opening angle 180°

Performance parameter:
 Maximum static load
 Radial load: 530N
 Axial load: 800N

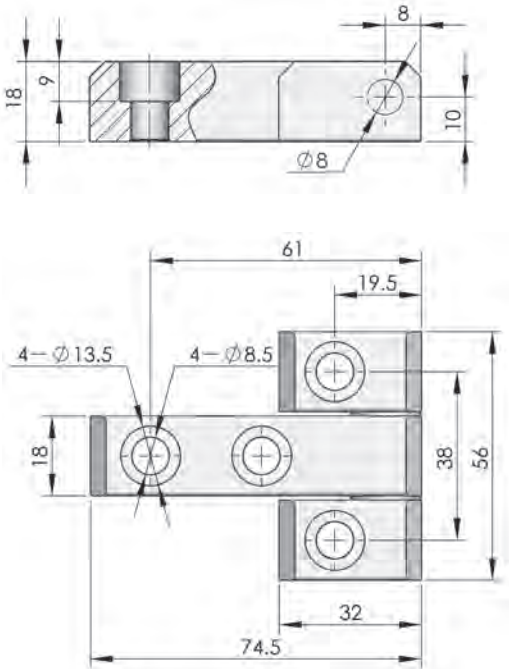
ERP

CL115S4A001



ERP

CL117F3D001



Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

CL117




INOX AISI 316

Main material and finish: White zinc-plated steel hinge and shaft

Performance parameter:
 Maximum static load
 Radial load: 3000N
 Axial load: 3000N

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

CL116



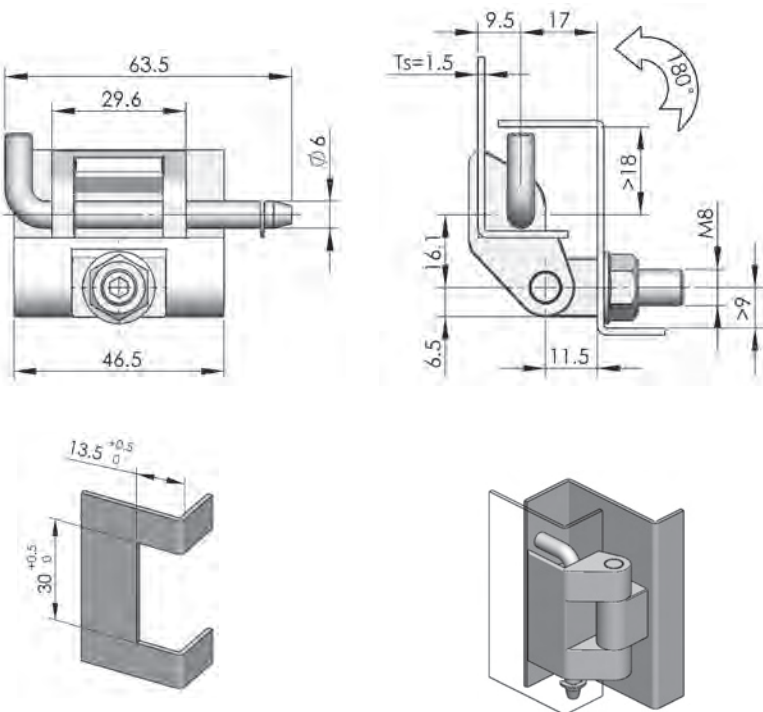

INOX AISI 316

Main material and finish: Black powder coated ZDC hinge and steel shaft
Application: Opening angle 180°

Performance parameter:
 Maximum static load
 Radial load: 1000N
 Axial load: 450N

ERP

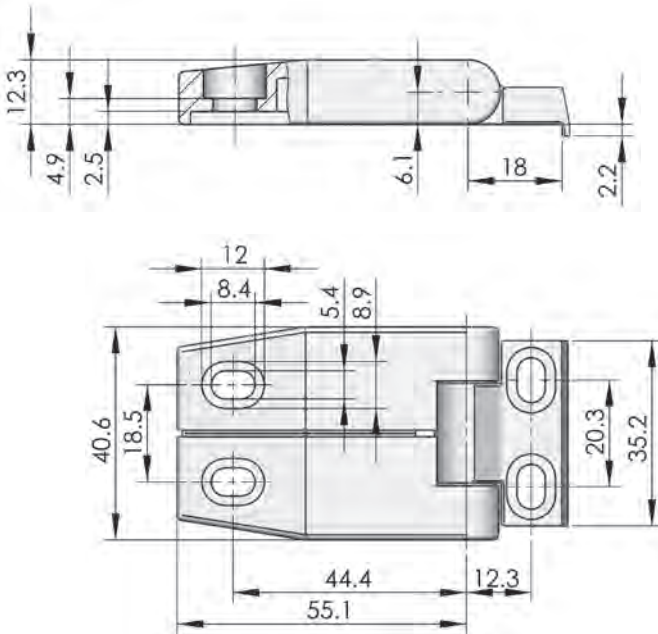
CL116Z1A001



Door cutout

ERP

CL119Z1B001



Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

CL119

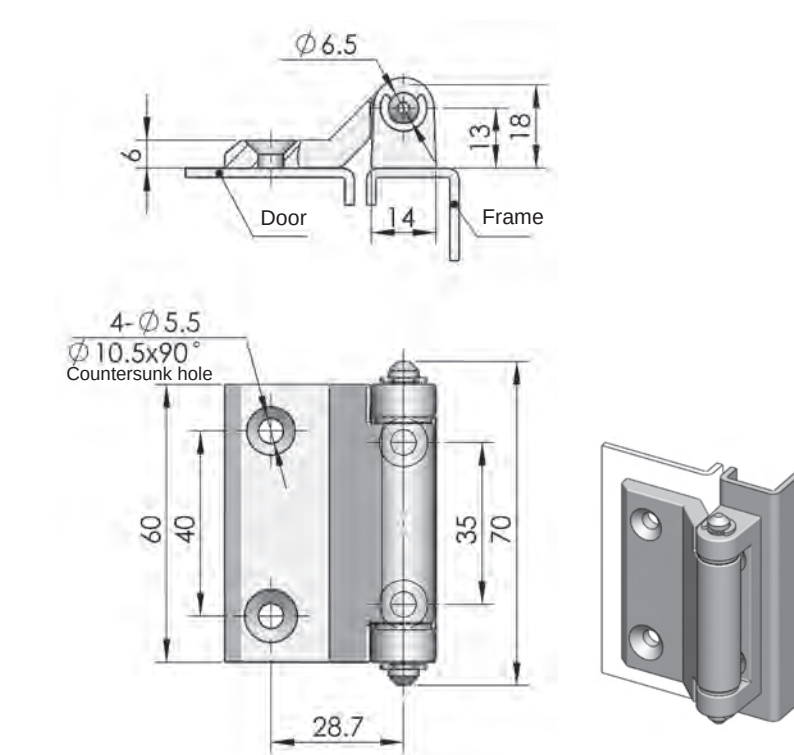
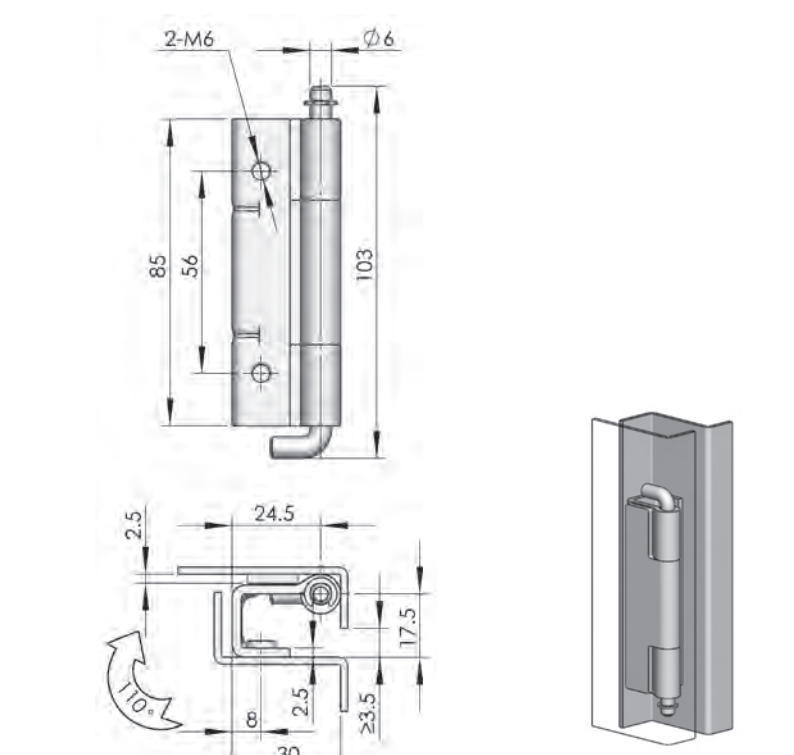



INOX AISI 316

Main material and finish: Black powder coated ZDC hinge and nickel-plated steel shaft

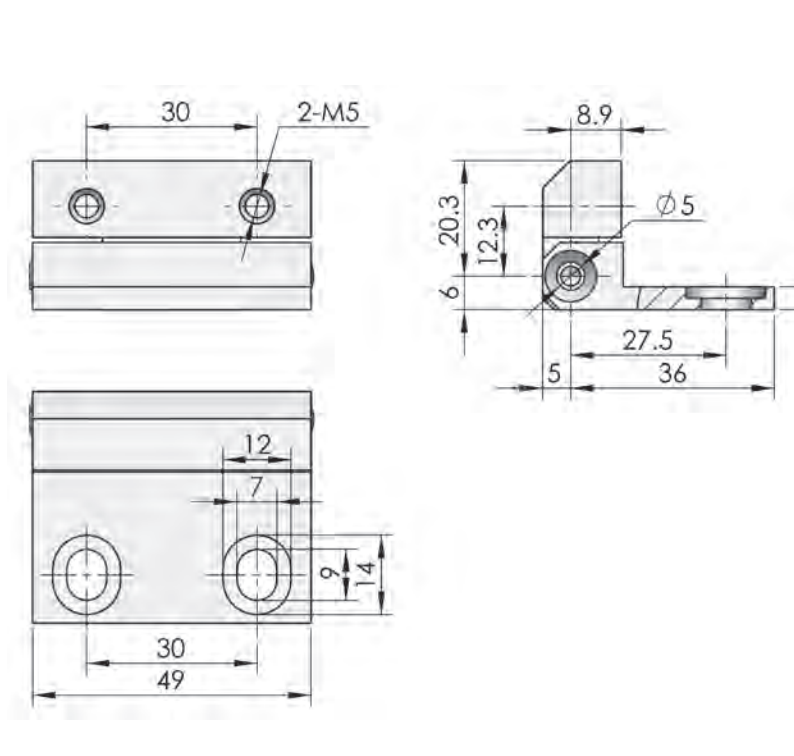
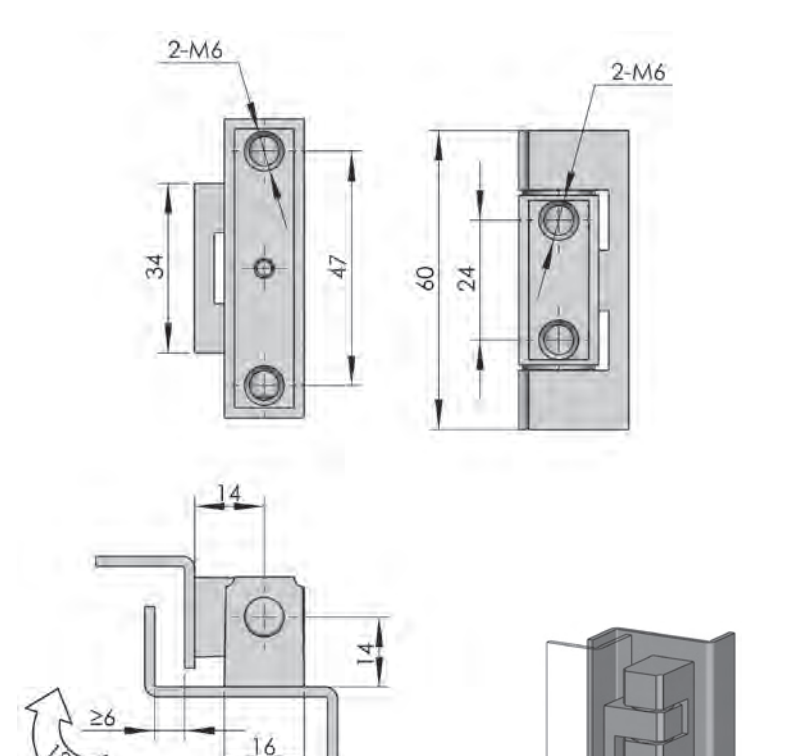
Performance parameter:
 Maximum static load
 Radial load: 280N
 Axial load: 930N

Accessories	 CL121  Main material and finish: Black powder coated ZDC hinge and 3+ zinc plated steel pin Performance parameter: Maximum static load Radial load: 980N Axial load: 1500N
Electronic lock	
Handle lock	
Cylinder lock	
Plane lock	

 ERP CL121Z1A001		 ERP CL125F3D001	
--	--	---	--

Accessories	 CL125  Main material and finish: White zinc-plated steel hinge and pin Application: Opening angle 110° Performance parameter: Maximum static load Radial load: 450N Axial load: 850N
Electronic lock	
Handle lock	
Cylinder lock	
Plane lock	

Panel lock	 CL123  Main material and finish: Black powder coated aluminum alloy hinge and nickle-plated steel shaft Performance parameter: Maximum static load Radial load: 1200N Axial load: 1500N
Toggle and hook	
Handles	
Door stop	
Hinge	

 ERP CL123A1A001		 ERP CL126F3A001	
--	--	---	--

Panel lock	 CL126 Main material and finish: Bright chrome-plated ZDC hinge and nickle-plated steel shaft Application: Opening angle 180° Performance parameter: Maximum static load Radial load: 1290N Axial load: 1600N
Toggle and hook	
Handles	
Door stop	
Hinge	

Accessories	
Electronic lock	
Handle lock	
Cylinder lock	
Plane lock	

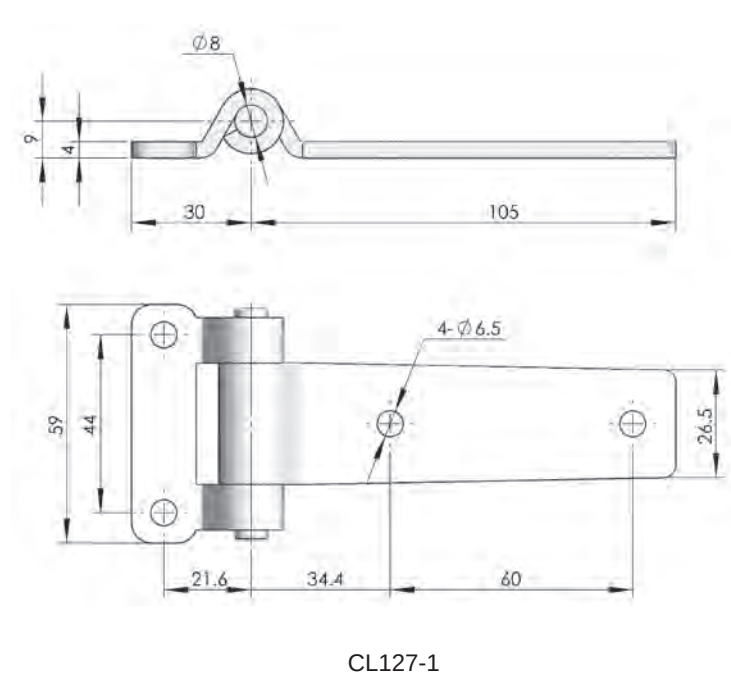
Rod control lock	
Panel lock	
Toggle and hook	
Handles	
Door stop	

Hinge	
Seal gasket	

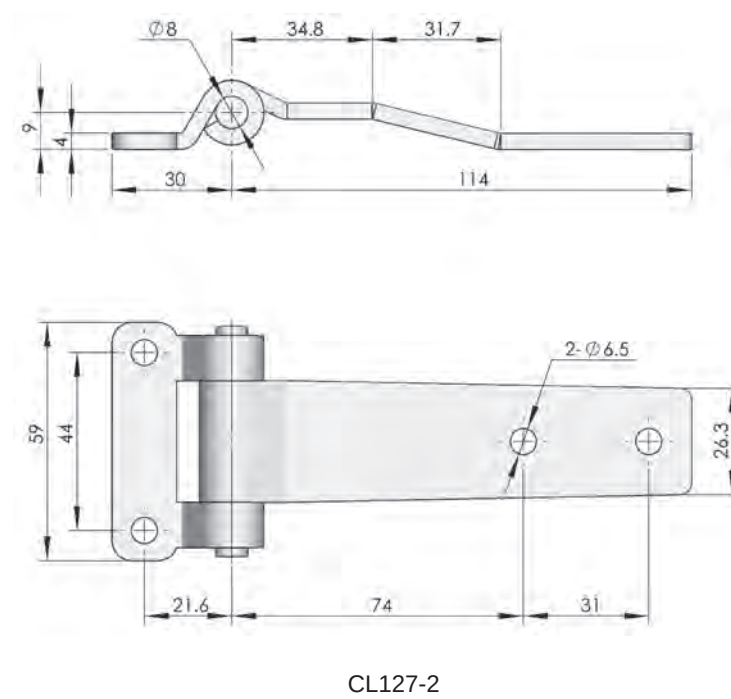
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket



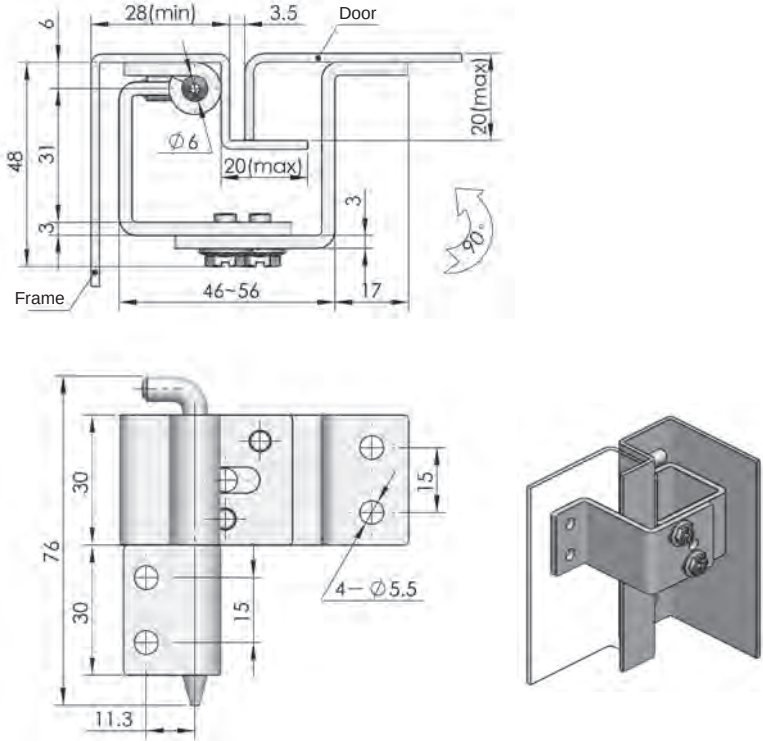
Main material and finish: Mirror polishing stainless steel hinge and pin
Application: Opening angle 180°
Performance parameter:
Maximum static load
Radial load: 3145N
Axial load: 3000N



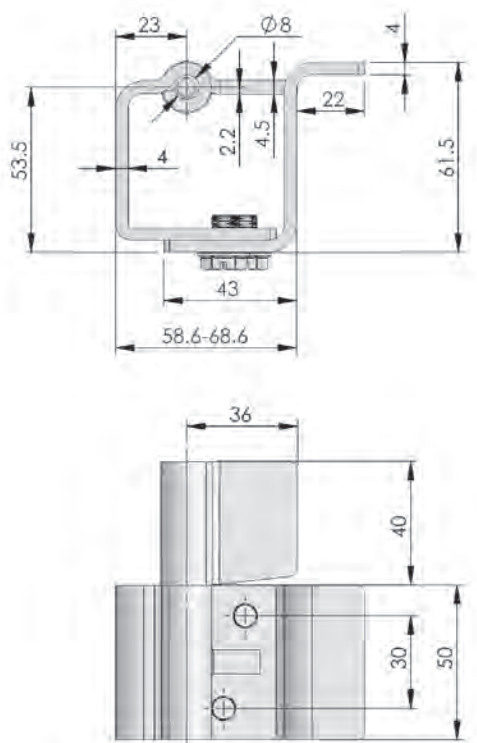
ERP CL127S4A002



ERP CL127S4A003



ERP CL128F3D001



ERP CL128F3D004

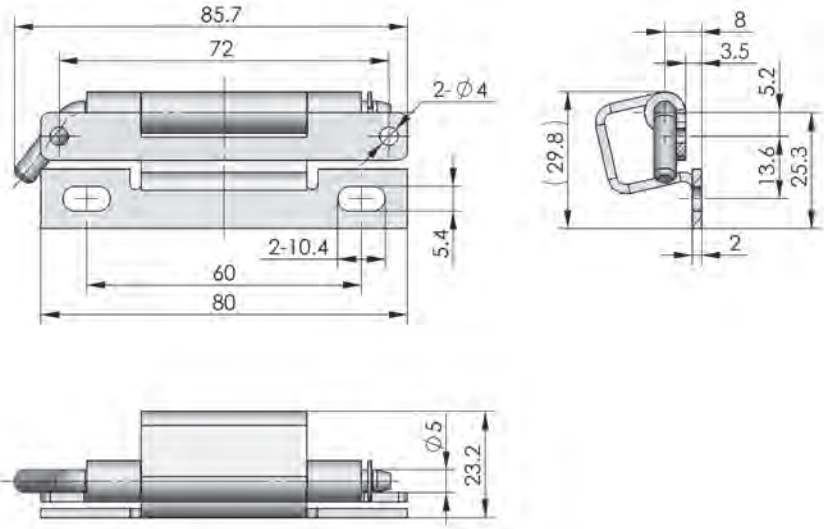
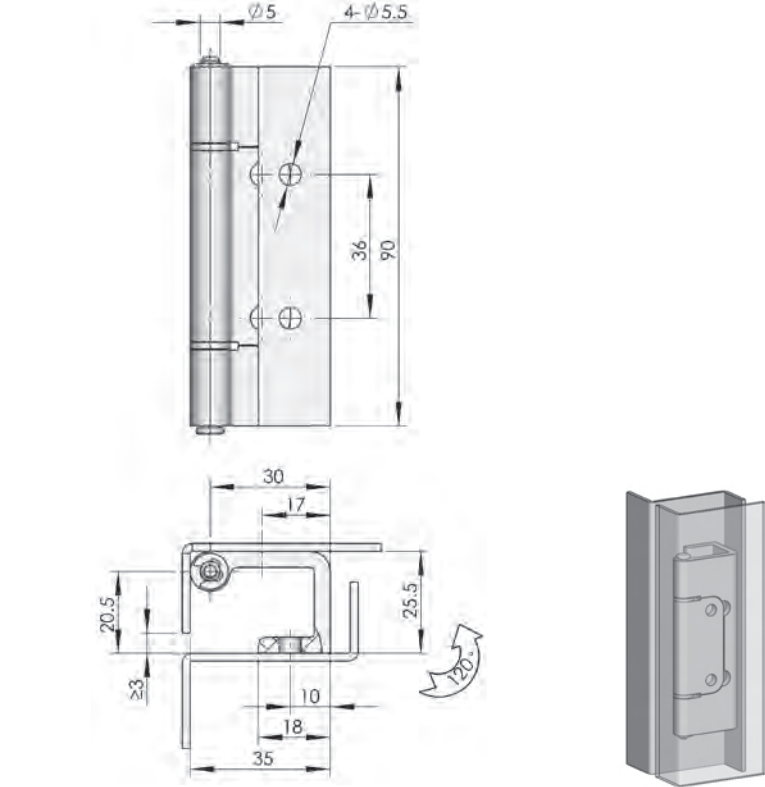
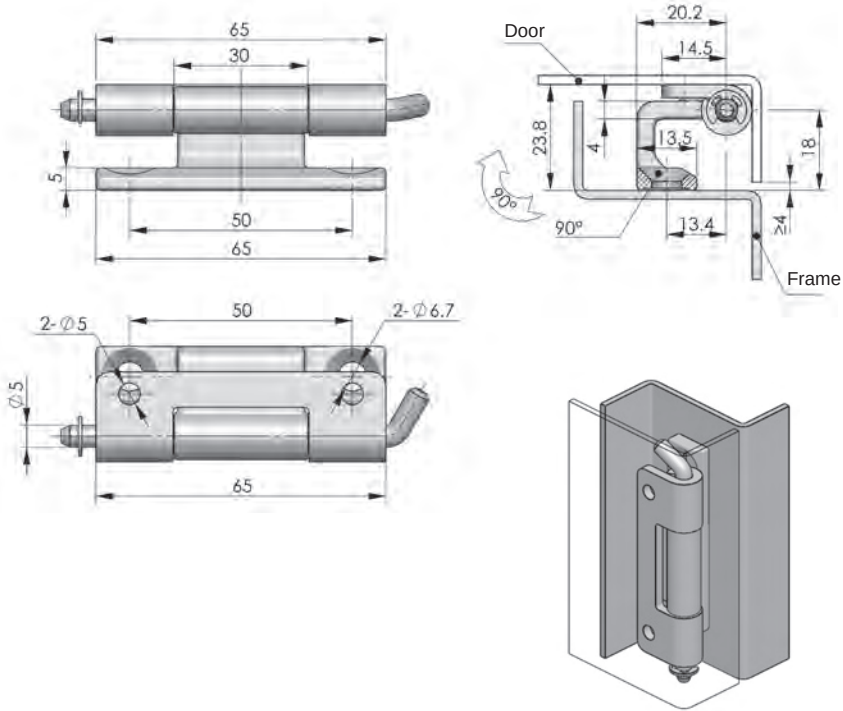
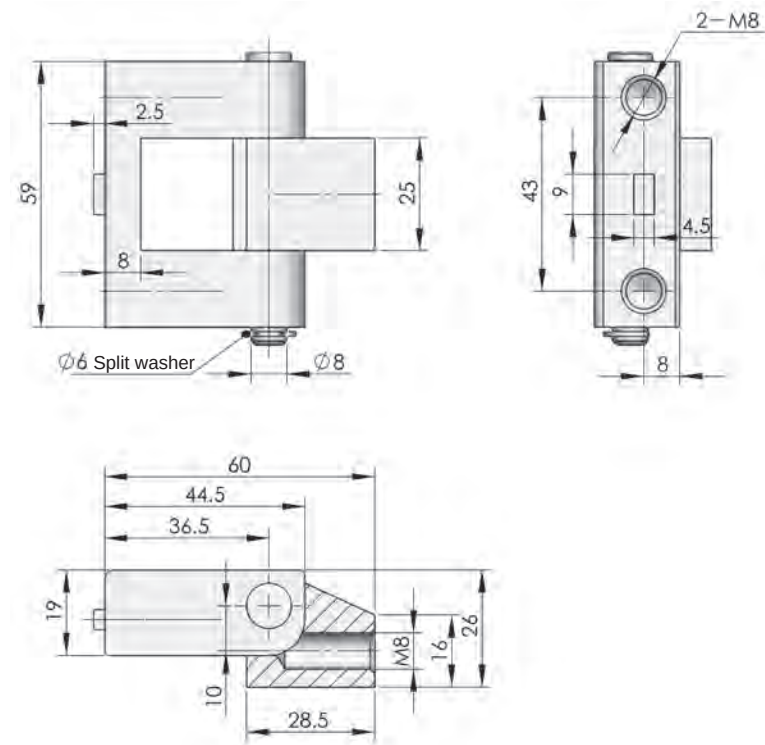


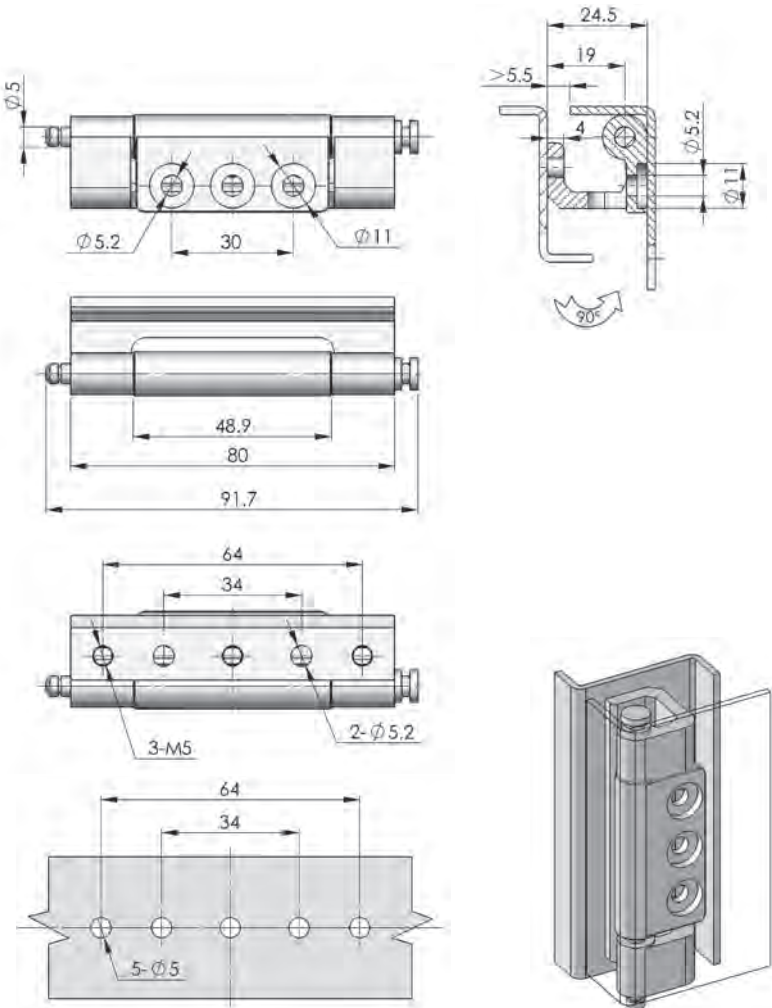
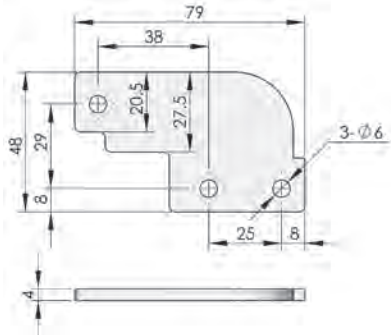
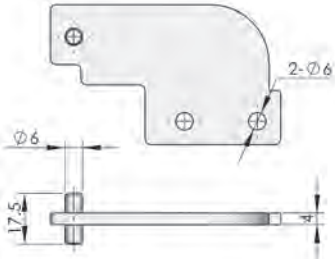
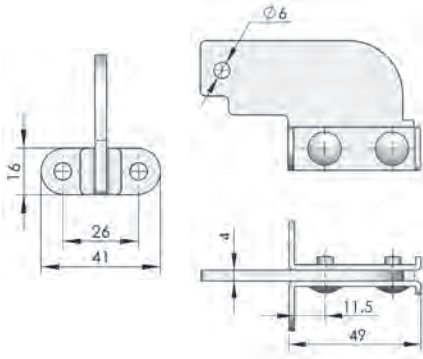
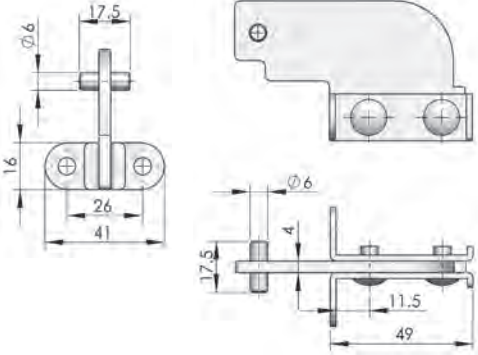
Main material and finish: 3+ zinc plated steel hinge and pin
Application: Opening angle 90°
Performance parameter:
Maximum static load
Radial load: 160N
Axial load: 140N



Main material and finish: 3+ zinc plated steel hinge and pin
Performance parameter:
Maximum static load
Radial load: 375N
Axial load: 305N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories	CL129   Main material: steel Finish: zinc plated Performance parameter: Maximum static load Radial load: 180N Axial load: 250N	CL129F3D001  ERP	CL132   Main material and finish: Sand-spraying aluminum alloy hinge, stainless steel pin Application: Opening angle 120° Performance parameter: Maximum static load Radial load: 800N Axial load: 425N	CL132A4D001  ERP	Electronic lock
Handle lock					Handle lock
Cylinder lock					Cylinder lock
Plane lock					Plane lock
Rod control lock					Rod control lock
Panel lock	CL130-2   Main material and finish: 3+ zinc plated steel hinge and pin Application: When the gap between door and frame is 2mm, opening angle 90° Performance parameter: Maximum static load Radial load: 1125N Axial load: 1320N	CL130F3D001  ERP	CL133   Main material and finish: White zinc-plated steel hinge leaf and shaft Application: Opening angle 180° Performance parameter: Maximum static load Radial load: 1450N Axial load: 2000N	CL133F3D001  ERP	Panel lock
Toggle and hook					Toggle and hook
Handles					Handles
Door stop					Door stop
Hinge					Hinge
Seal gasket					Seal gasket

Accessories	CL132-2   Main material and finish: Electrolytic stainless steel hinge Application: Opening angle 90° Performance parameter: Maximum static load Radial load: 465N Axial load: 650N	 ERPCL132S9C001	CL135-1  ERPCL135F2A001	CL135-2  ERPCL135F2A002	CL135-3  ERPCL135F2A003	CL135-4  ERPCL135F2A004	CL135    Main material and finish: Black painted steel hinge	Accessories						
Electronic lock								Electronic lock						
Handle lock								Handle lock						
Cylinder lock								Cylinder lock						
Plane lock								Plane lock						
Rod control lock	CL133-2   Main material and finish: Color zinc-plated ZDC hinge and pin Application: Opening angle 115° Performance parameter: Maximum static load Radial load: 1000N Axial load: 720N							Rod control lock						
Panel lock								Panel lock						
Toggle and hook								Toggle and hook						
Handles								Handles						
Door stop								Door stop						
Hinge								Hinge						
Seal gasket								Seal gasket						

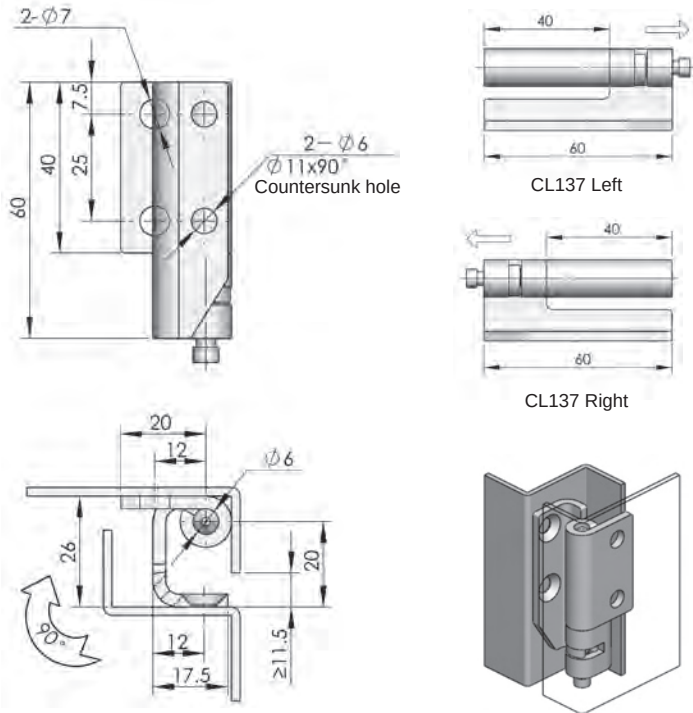
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

CL137

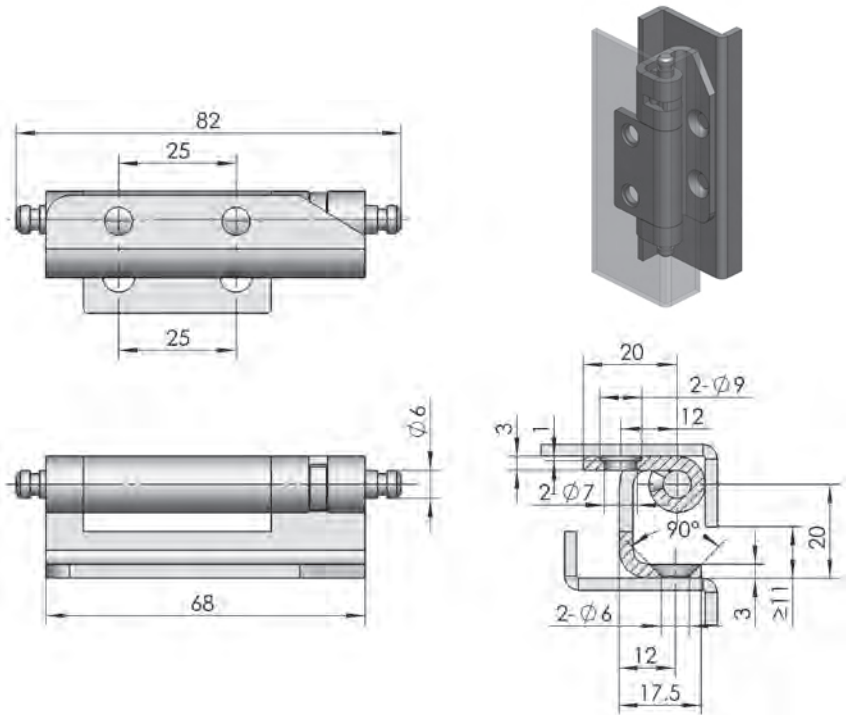


Main material and finish: White zinc-plated steel hinge and pin
Application: Opening angle 135°

Performance parameter:
Maximum static load
Radial load: 520N
Axial load: 375N



	CL137-Z Left hinge	CL137-Y Right hinge
ERP	CL137F3D001	CL137F3D002



	CL138-3-Z	CL138-3-Y
ERP	CL138F3D004	CL138F3D005

CL138-3



Main material and finish: Trivalent 3+ zinc plated steel hinge and pin
Application: Opening angle 90°

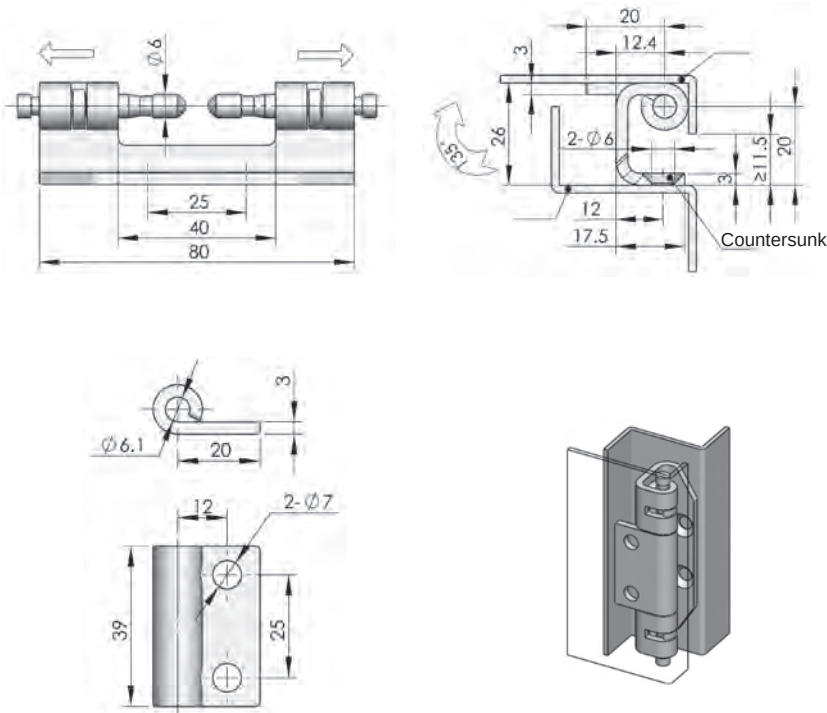
Performance parameter:
Maximum static load
Radial load: 385N
Axial load: 600N

CL138

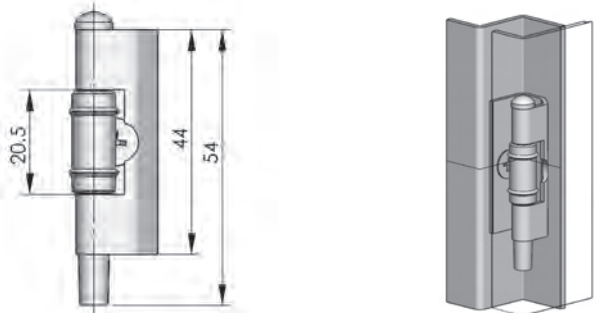
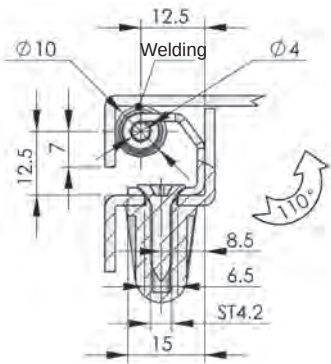


Main material and finish: 3+ zinc plated steel hinge and pin
Application: Opening angle 135°

Performance parameter:
Maximum static load
Radial load: 690N
Axial load: 630N



ERP	CL138F3D001
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ERP	CL139F3D001
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CL139



Main material and finish: 3+ zinc plated steel hinge and pin
Application: Opening angle 135°

Performance parameter:
Maximum static load
Radial load: 215N
Axial load: 195N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

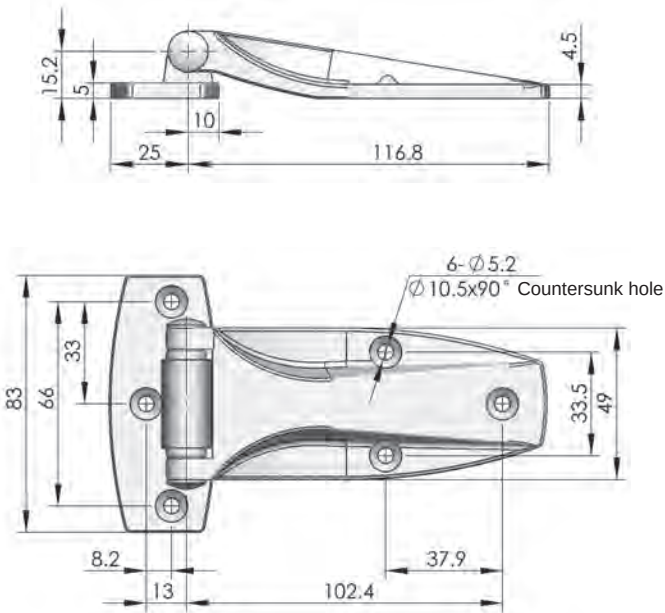
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock

CL142



Main material and finish: Mirror polishing stainless steel hinge
Application: Opening angle 135°

Performance parameter:
Maximum static load
Radial load: 2170N
Axial load: 3000N



ERP

CL142S4A001

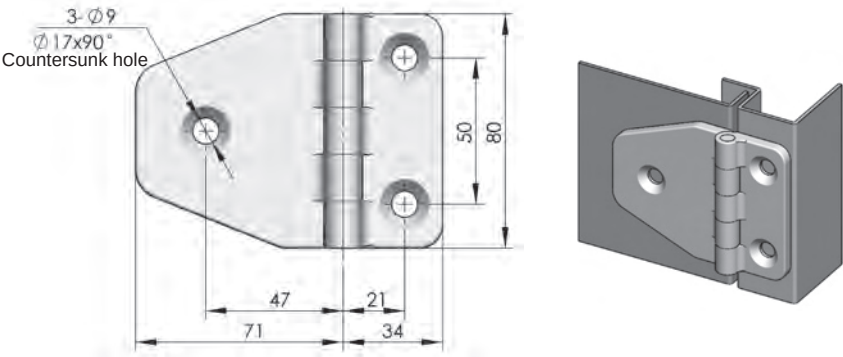
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock

CL148



Main material and finish: White zinc-plated steel shaft, PA (black) hinge leaf
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 220N
Axial load: 450N

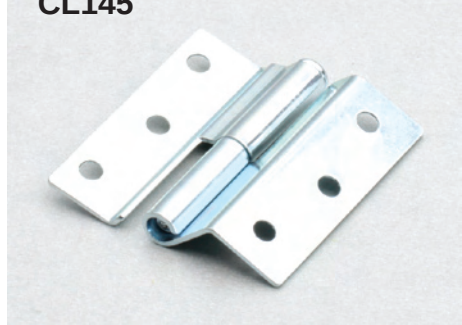


ERP

CL148N00001

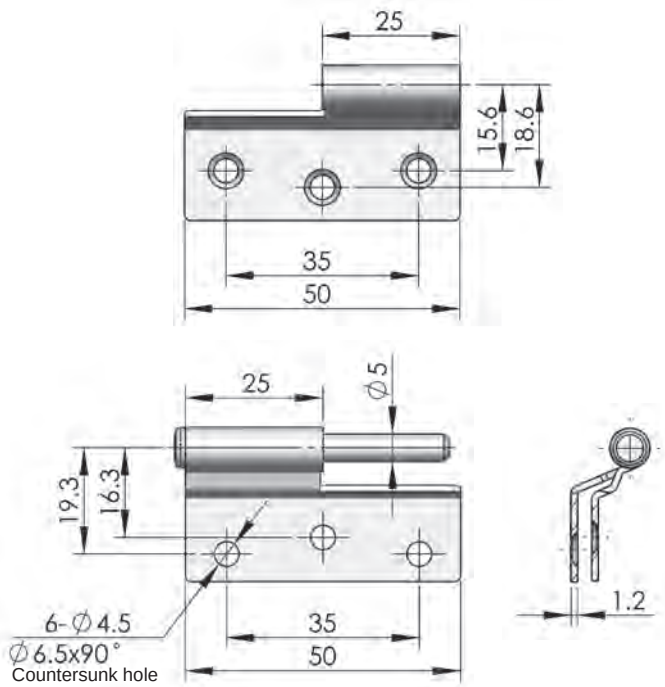
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

CL145



Main material and finish: White zinc-plated steel hinge leaf and shaft

Performance parameter:
Maximum static load
Radial load: 193N
Axial load: 455N



ERP

CL145F3D001

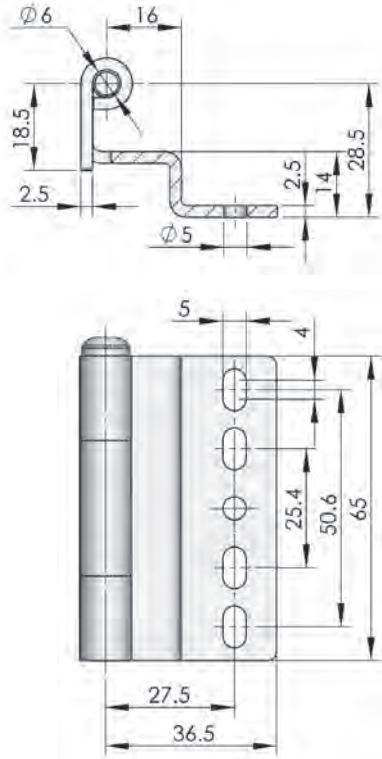
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

CL150



Main material and finish: 3+ zinc plated steel hinge and shaft

Performance parameter:
Maximum static load
Radial load: 495N
Axial load: 545N



ERP

CL150F3D001

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

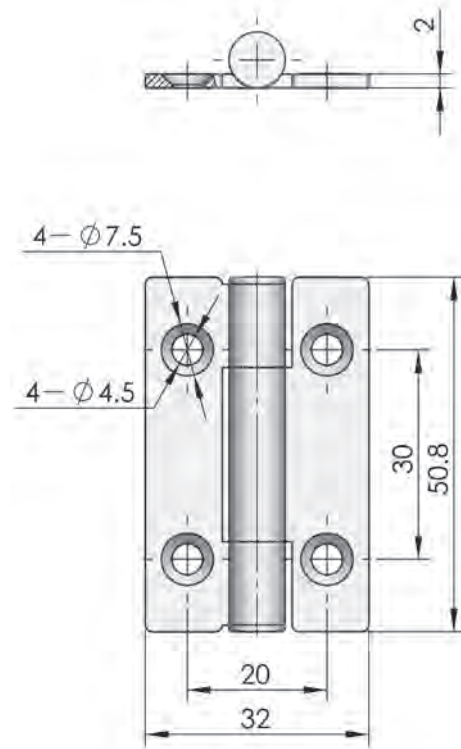


CL152



Main material and finish: Electrolytic stainless steel hinge and pin
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 620N
Axial load: 1170N



ERP

CL152S9C001

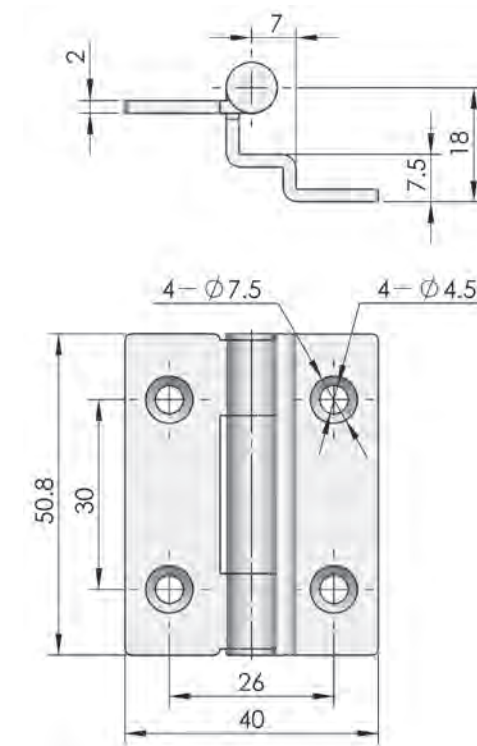


CL152-2



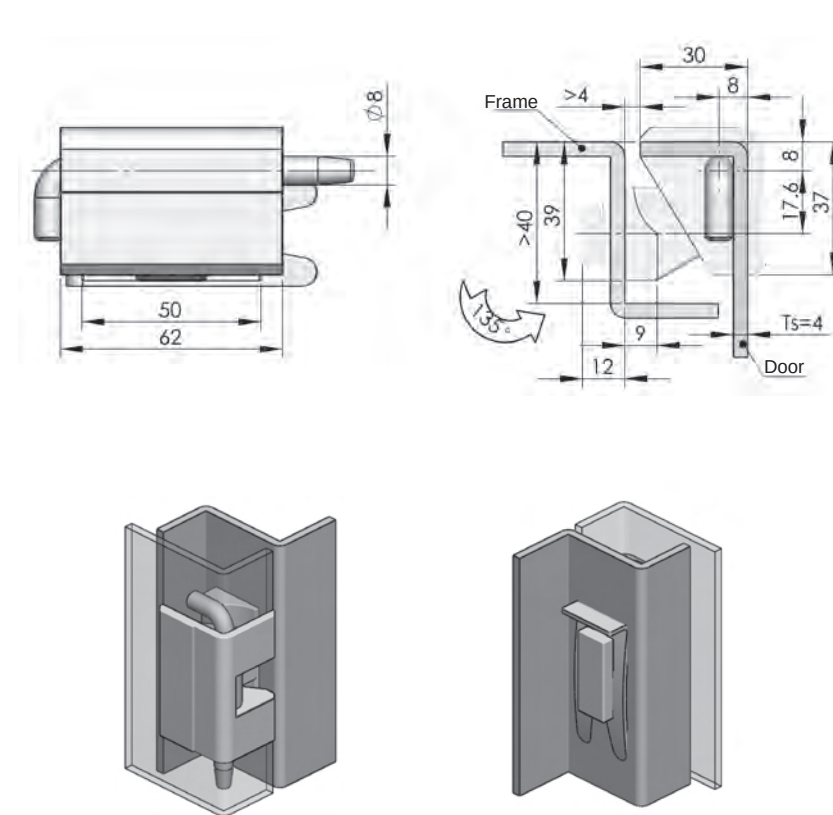
Main material and finish: Electrolytic stainless steel hinge and shaft
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 620N
Axial load: 1170N

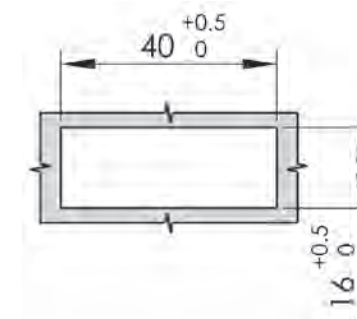


ERP

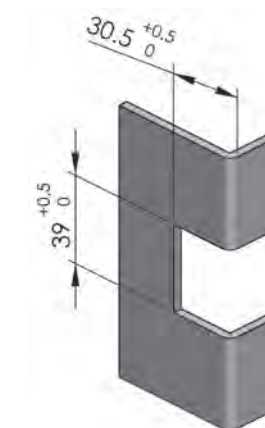
CL152S9C002



Frame cutout



Door cutout



ERP

CL154ZXX001



CL154



Main material and finish: Blue-gray (RAL 7012) powder coated ZDC hinge and stainless steel shaft
Application: Opening angle 135°

Performance parameter:
Maximum static load
Radial load: 2500N
Axial load: 2200N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock



CL154-3

Main material: ZDC hinge, stainless steel pin, steel board

Finish: RAL7012 powder coated

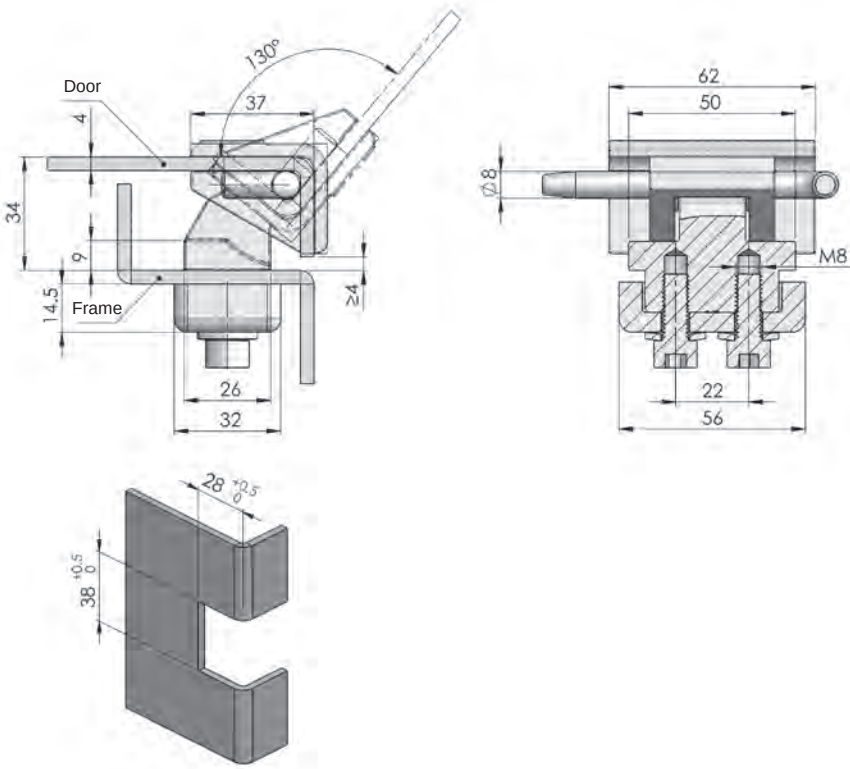
Application: Opening angle 130°

Performance parameter:

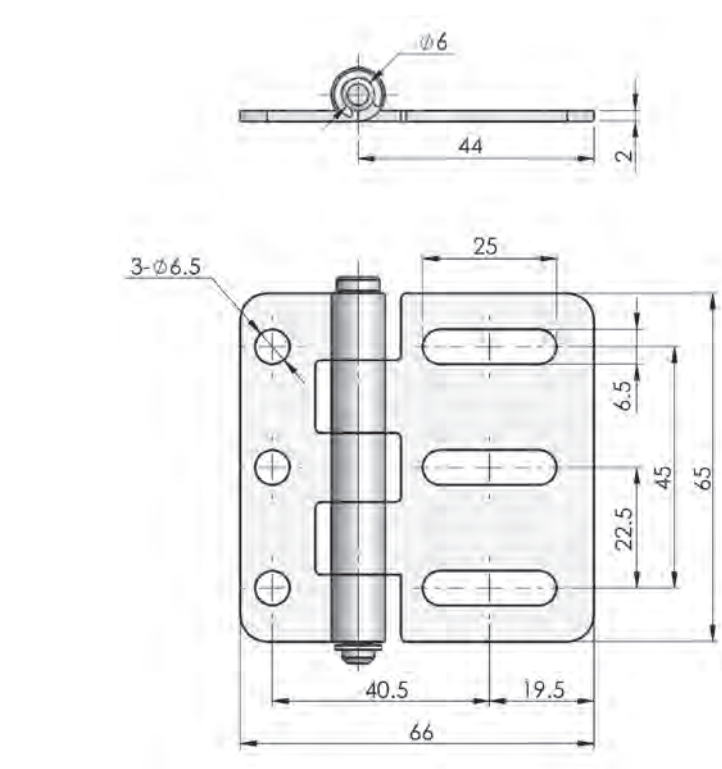
Maximum static load

Radial load: 2000N

Axial load: 2000N



ERP CL154Z1D002



ERP CL156S4A001

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock



CL156-2

Main material: stainless steel 304

Finish: mirror polishing

Application: Opening angle 90°

Type: exposed hinge

Performance parameter:

Maximum static load

Radial load: 350N

Axial load: 450N

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket



CL156

Main material and finish: Sand-spraying aluminum alloy hinge, stainless steel shaft

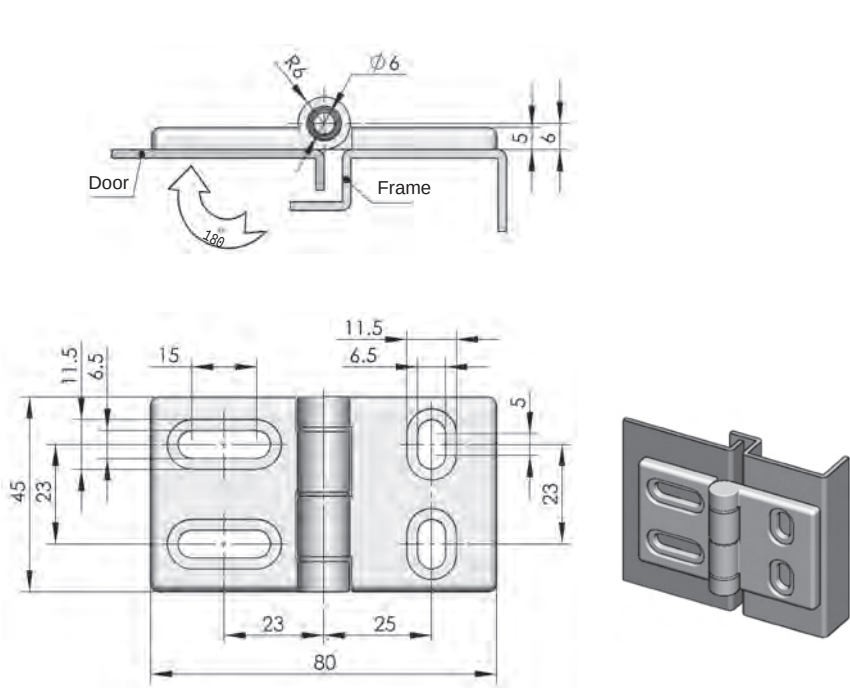
Application: Opening angle 180°

Performance parameter:

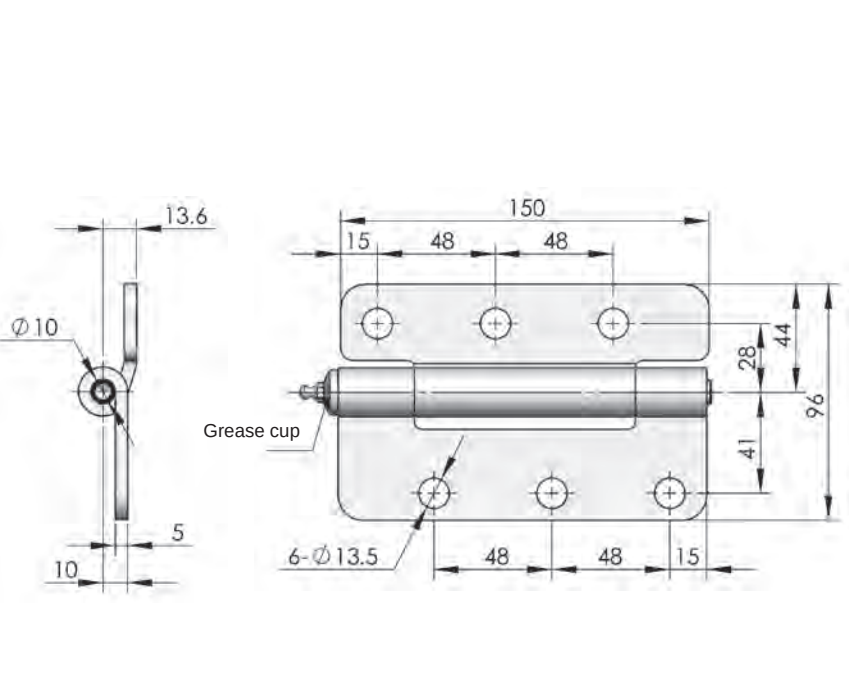
Maximum static load

Radial load: 620N

Axial load: 365N



ERP CL156A4D001



ERP CL158F3D001

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket



CL158

Main material and finish: White zinc-plated steel hinge leaf and shaft

Performance parameter:

Maximum static load

Radial load: 3000N

Axial load: 2500N

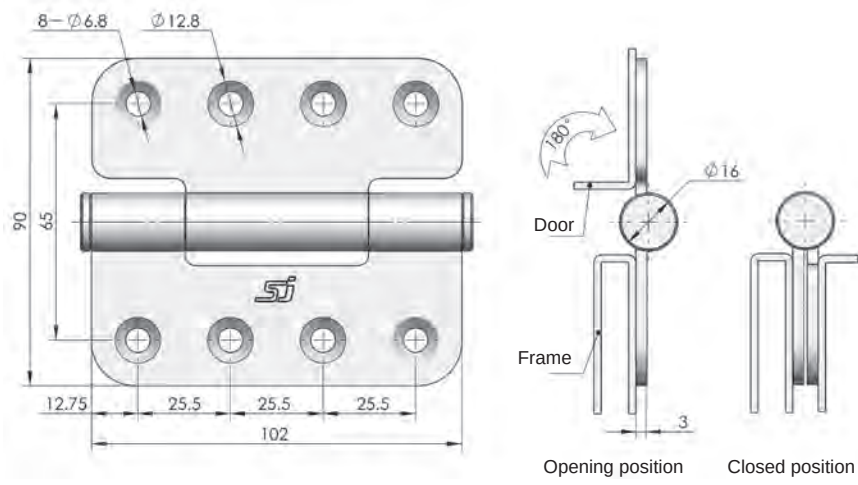
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

CL158-2

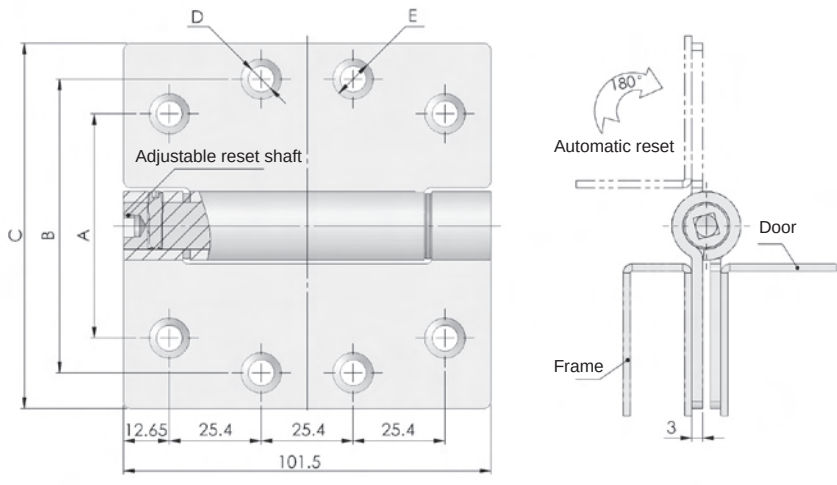


Main material and finish: Wiredrawing stainless steel hinge leaf, stainless steel shaft
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 1500N
Axial load: 1200N



ERP	CL158S4B001
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Model	ERP	specification				
		A	B	C	D	E
CL158-4	CL158S4B003	62	81.2	101	Φ7.2	Φ10.5
CL158-5	CL158S4B004	37	56.2	76	Φ6.6	Φ10

CL158-4



CL158-5



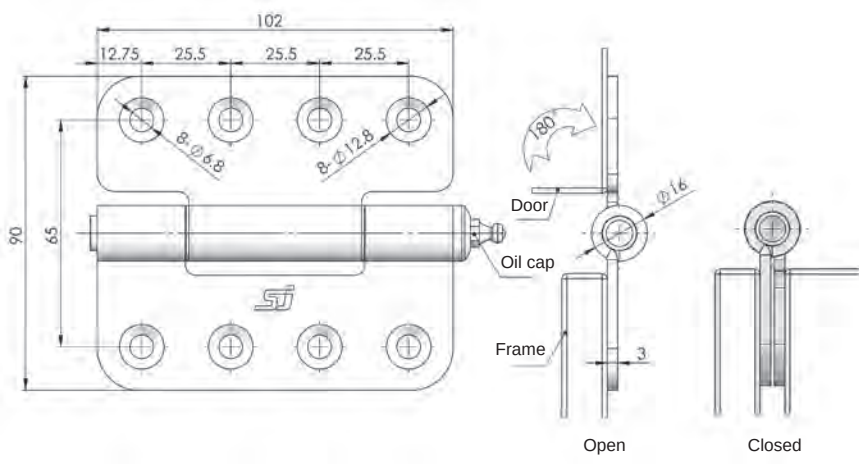
Main material: stainless steel hinge and pin
Finish:brushed polishing
Application: reset hinge, opening angle 180°
Performance parameter:
Reset torque 2N.m

CL158-3

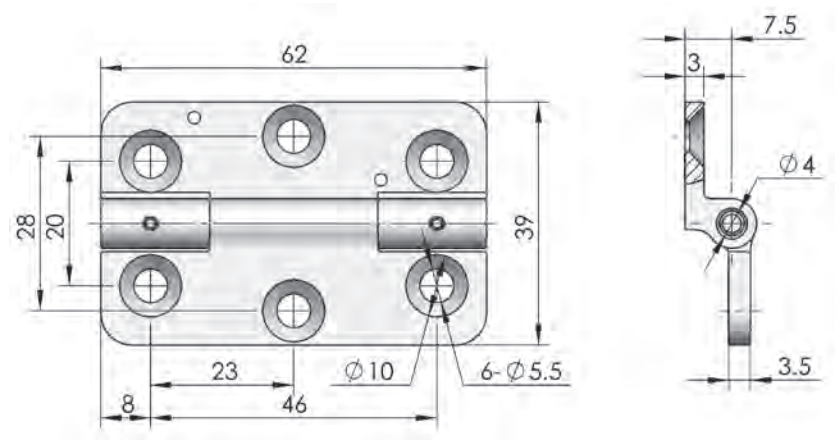


Main material and finish: stainless steel(brushed polishing) hinge,steel pin
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 1730N
Axial load: 2000N



ERP	CL158S4B002
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ERP	CL163S4B001
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CL163



Main material and finish: Wiredrawing stainless steel hinge leaf and shaft
Performance parameter:
Maximum static load
Radial load: 1300N
Axial load: 1180N

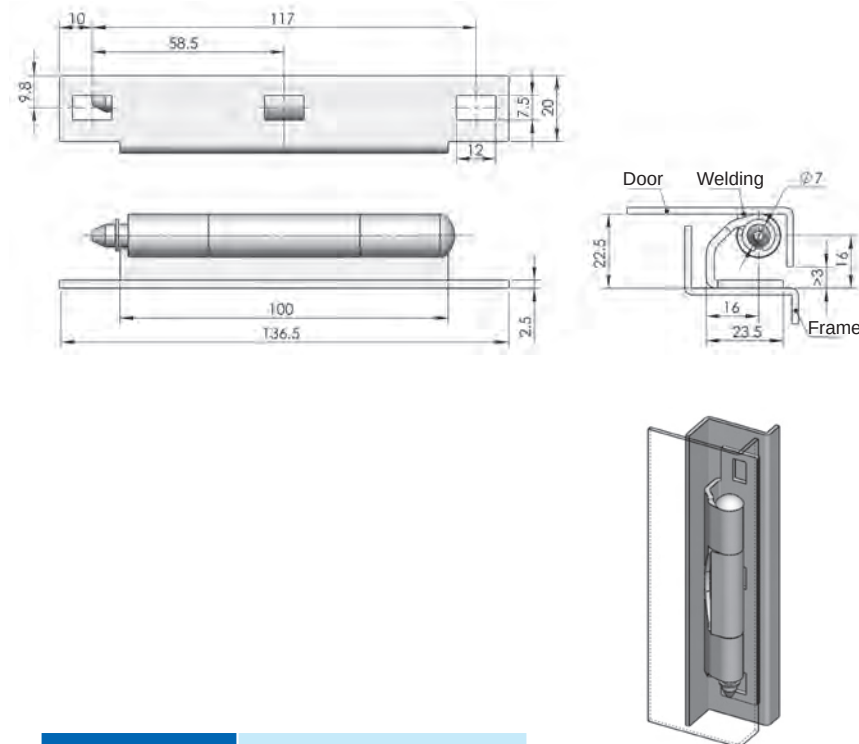
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

CL167

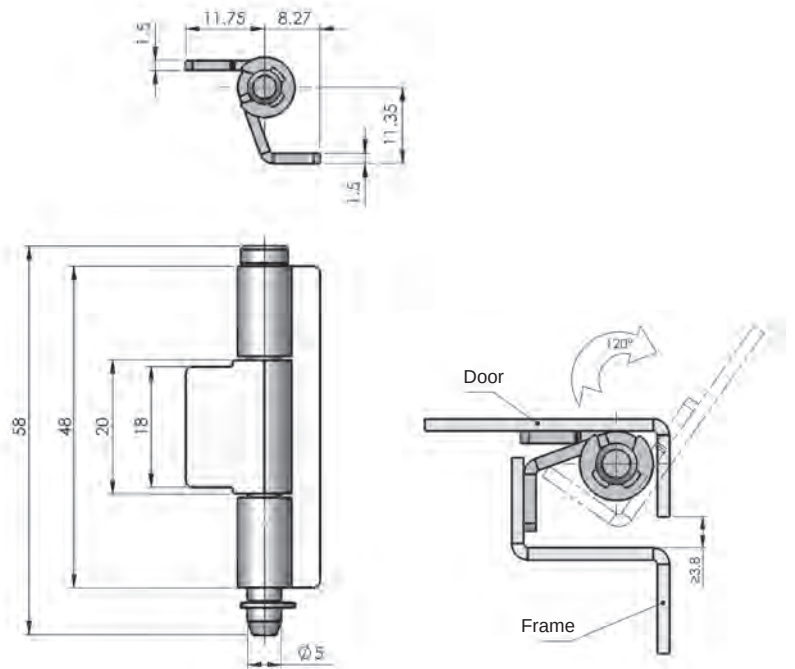



Main material and finish: White zinc-plated steel hinge leaf, white zinc-plated aluminium alloy shaft
Application: Opening angle 120°

Performance parameter:
 Maximum static load
 Radial load: 210N
 Axial load: 320N



ERP CL167F3D001



ERP CL168S4A001

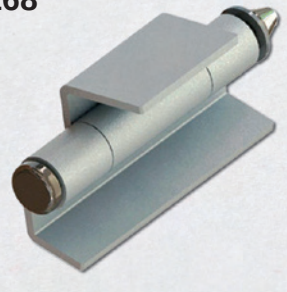
CL168-2




Main material: stainless steel 304
Finish: mirror polishing
Application: Opening angle 120°

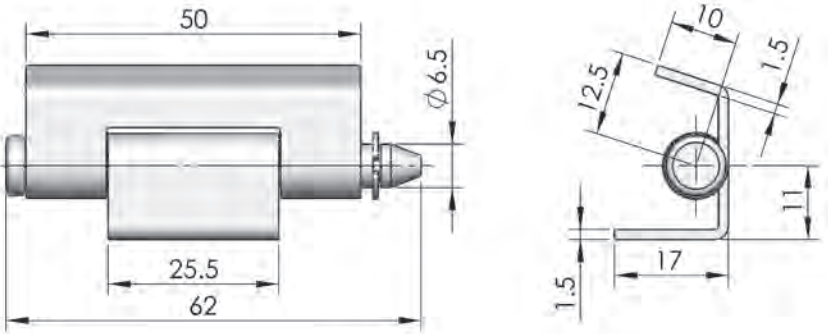
Performance parameter:
 Maximum static load
 Radial load: 290N
 Axial load: 540N

CL168

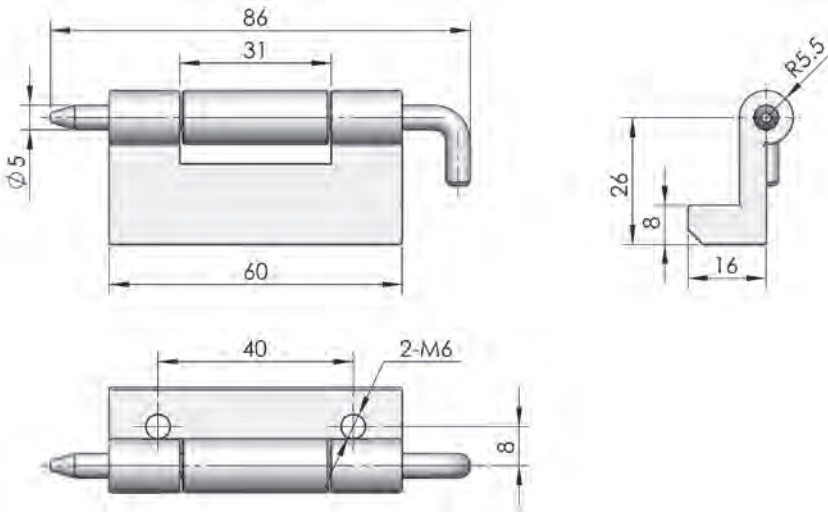



Main material and finish: White zinc-plated steel hinge leaf and shaft

Performance parameter:
 Maximum static load
 Radial load: 200N
 Axial load: 330N



ERP CL168F3D001



ERP CL169Z3D001

CL169




Main material and finish: White zinc-plated ZDC female hinge, steel male hinge and shaft

Performance parameter:
 Maximum static load
 Radial load: 700N
 Axial load: 500N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

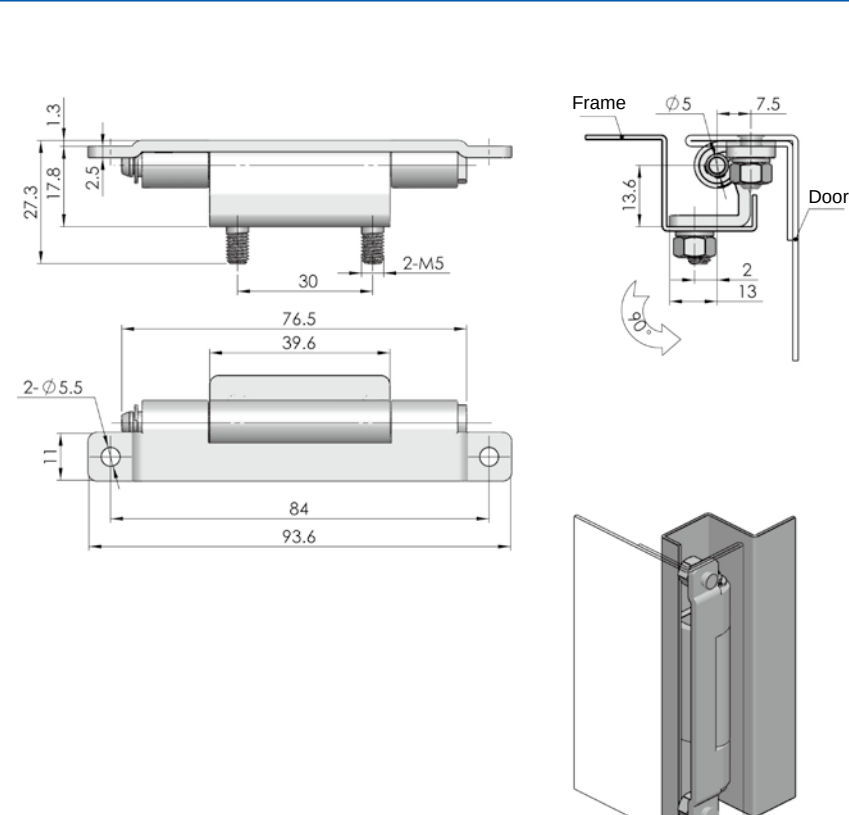
310

CL180

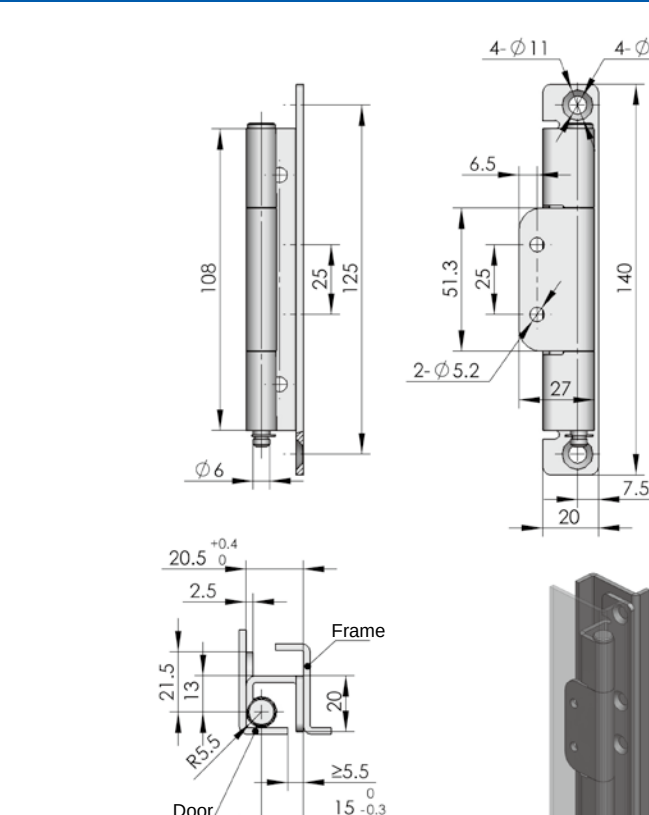


Main material and finish: Magnetic force polishing SUS304 stainless steel hinge

Performance parameter:
Maximum static load
Radial load: 705N
Axial load: 400N



ERP CL180SXX001



ERP CL186S9C001

CL186



Main material and finish: Electrolysis stainless steel hinge leaf and shaft
Application: Opening angle 120°

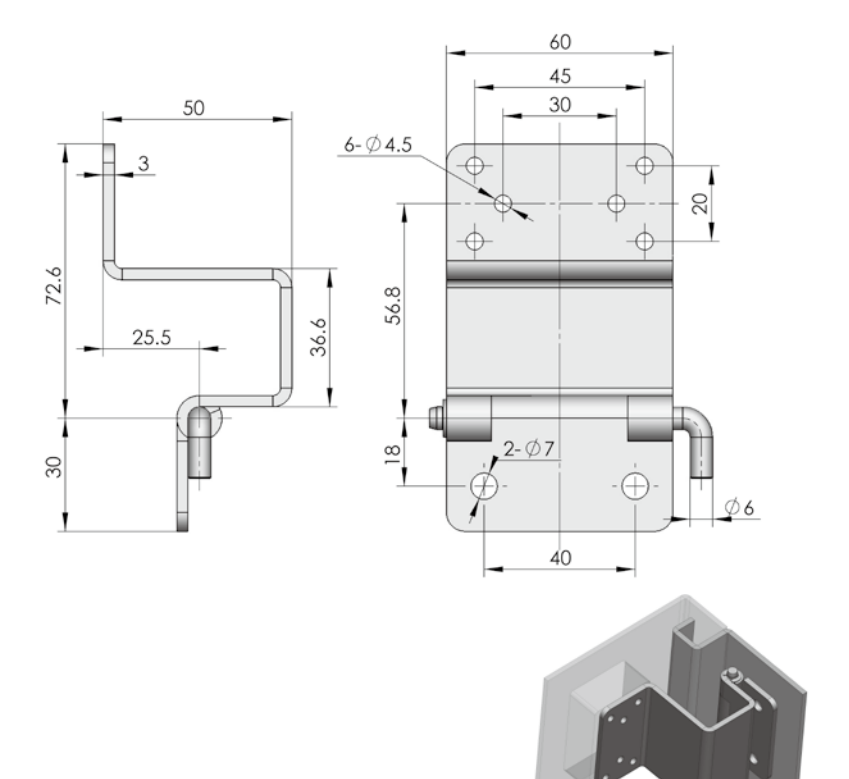
Performance parameter:
Maximum static load
Radial load: 660N
Axial load: 800N

CL181

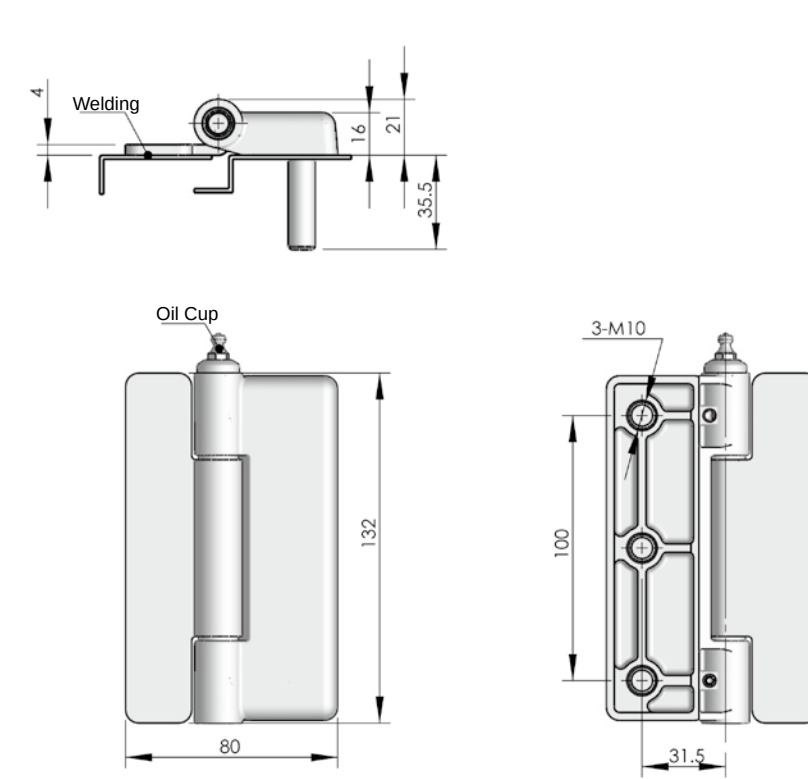


Main material and finish: White zinc plated steel hinge leaf and stainless steel shaft

Performance parameter:
Maximum static load
Radial load: 5000N
Axial load: 420N



ERP CL181F3J001



ERP CL188FXX001

CL188



Main material and finish: Phosphating 45# steel hinge
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 3000N
Axial load: 3000N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

CL190



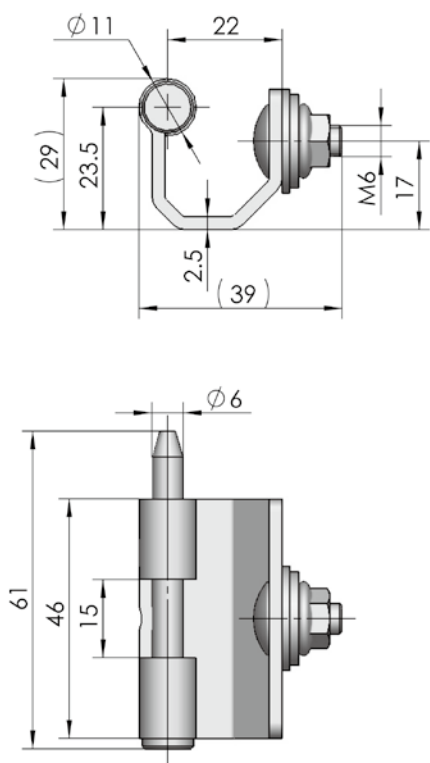
Main material and finish: White zinc plated steel hinge

Performance parameter:

Maximum static load

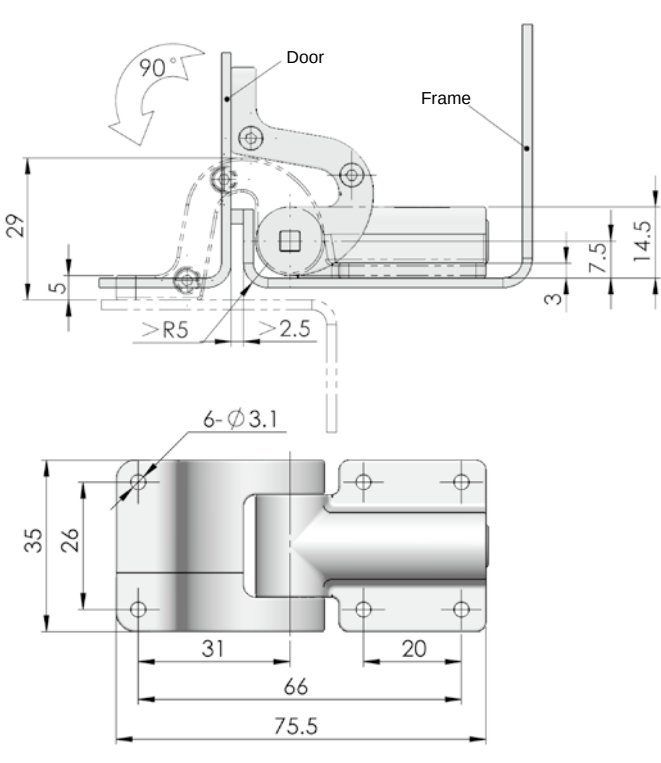
Radial load: 365N

Axial load: 255N



ERP

CL190F3D001



ERP

CL195Z2A002

CL195-3



Main material and finish: Black painted ZDC hinge

Application: Opening angle 90°

Performance parameter:

Maximum static load

Radial load: 800N

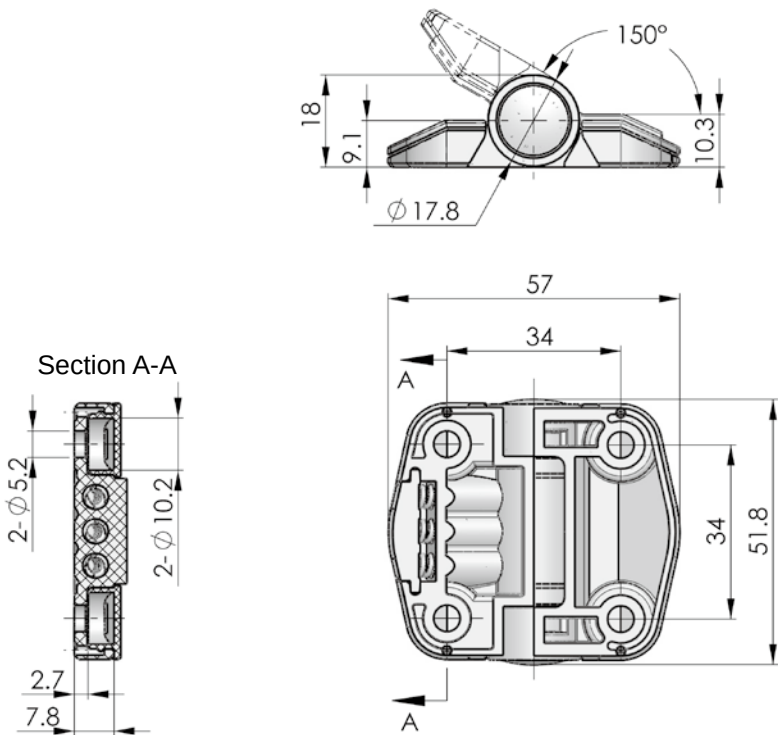
Axial load: 650N

CL195



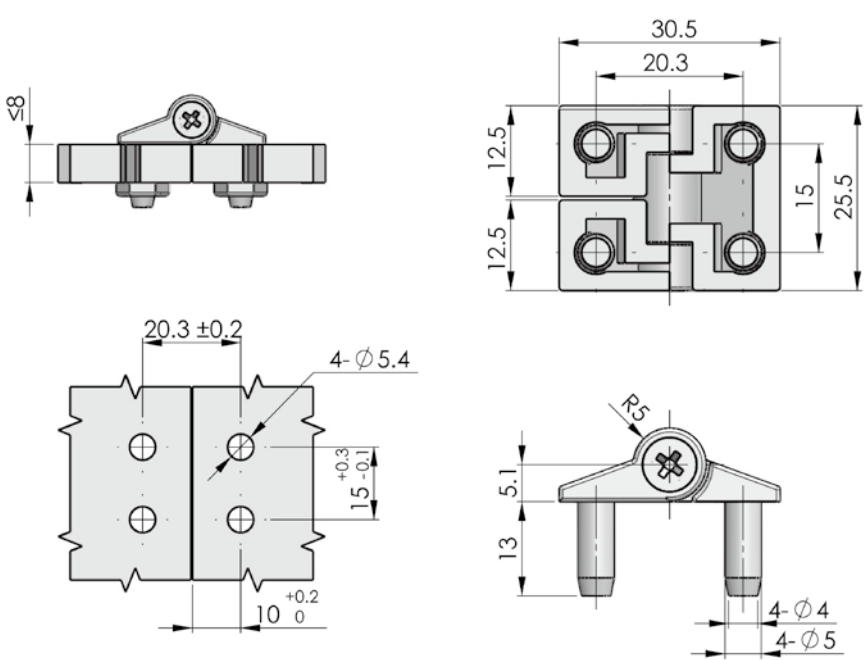
Main material and finish: Black POM hinge and steel shaft

Application: Opening angle 150°



ERP

CL195N00001



ERP

CL196N00001

CL196



Main material and finish:Black POM hinge

Remark: Special self tapping screw included

Performance parameter:

Maximum static load

Radial load: 80N

Axial load: 255N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

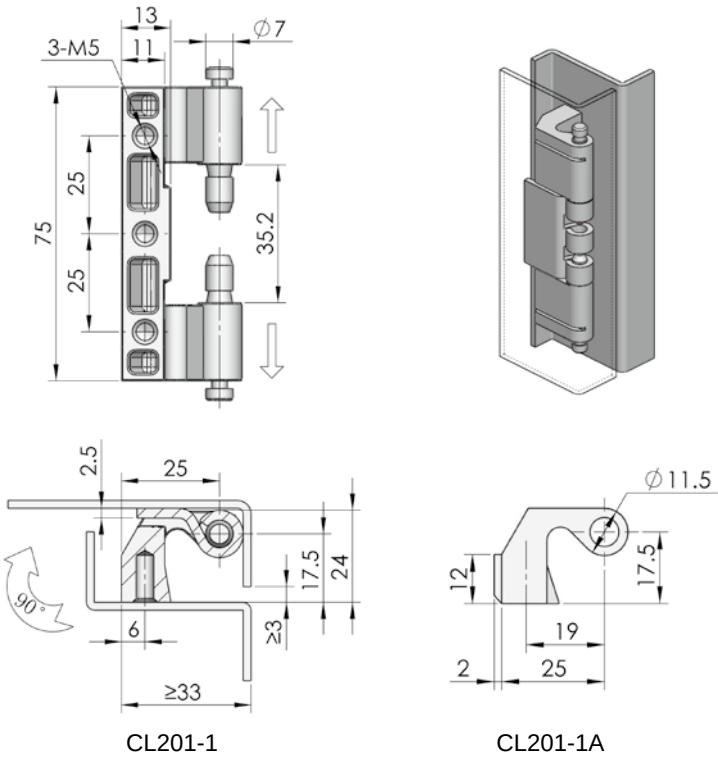
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

CL201-1

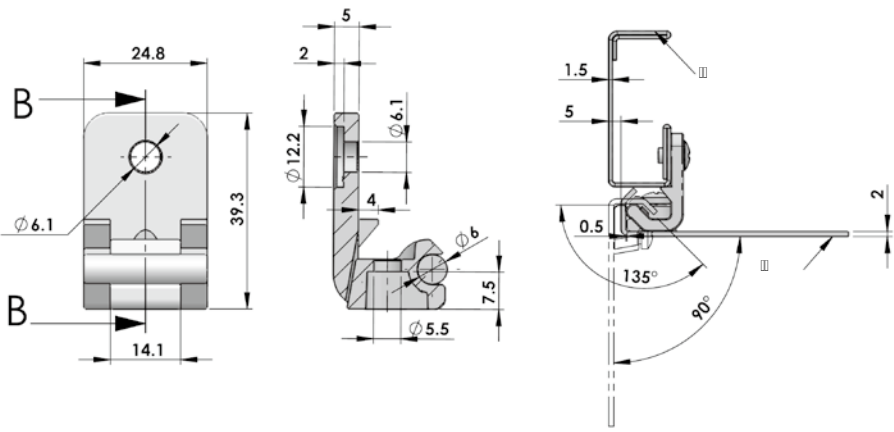


Main material and finish: ZDC hinge, steel pin, accessory

Performance parameter:
Maximum static load
Radial load: 800N
Axial load: 1500N



Remark: ≥size is 3.7,door's open angle is 90 degree.



ERP

CL200Z2C001

CL200-1



Main material and finish: Black painted ZDC hinge
Application: Opening angle 90°

Performance parameter:
Maximum static load
Radial load: 300N
Axial load: 250N

CL201-2



Main material and finish: ZDC hinge, steel pin and accessories

Performance parameter:
Maximum static load
Radial load: 360N
Axial load: 460N

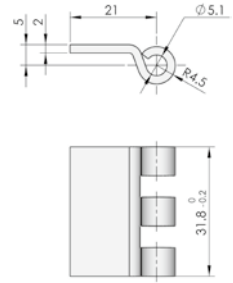
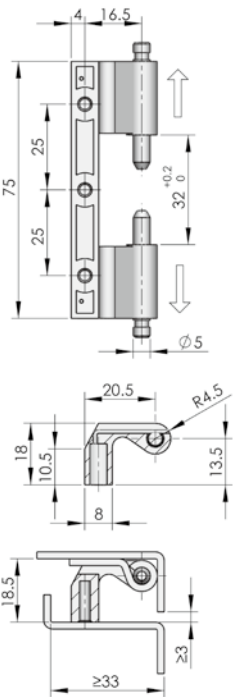
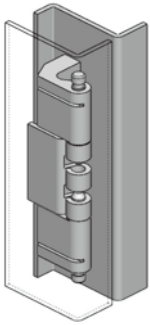
"U" shape accessory
ERP: 3452011001 (white zinc plating)

Claw shape accessory
ERP: 3452011002 (white zinc plating)

Pipe shape accessory
ERP: 3452011013 (white zinc plating)

Specification	CL201-1	CL201-1A	CL201-1B
Black powder coated	CL201Z2A002	CL201Z2A032	
Nanometer painted	CL201Z2B002	CL201Z2B017	
Blast sprayed	CL201Z4D002	CL201Z4D004	
SUS			CL201S4B001

Remark: Accessory is not included in above ERP number, but optional



Claw shape accessory
ERP: 3452012001 (Iron white zinc plating)

Remark: ≥3 size is bigger, door's open angle is bigger
What is the size of the door panel and door frame,when the door's open angle is 90 degree.

	Black powder coated	Nanometer painted	Blast sprayed
ERP	CL201Z2A006	CL201Z2B004	CL201Z4D007

Remark: Accessory is not included in above ERP number, but optional.

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

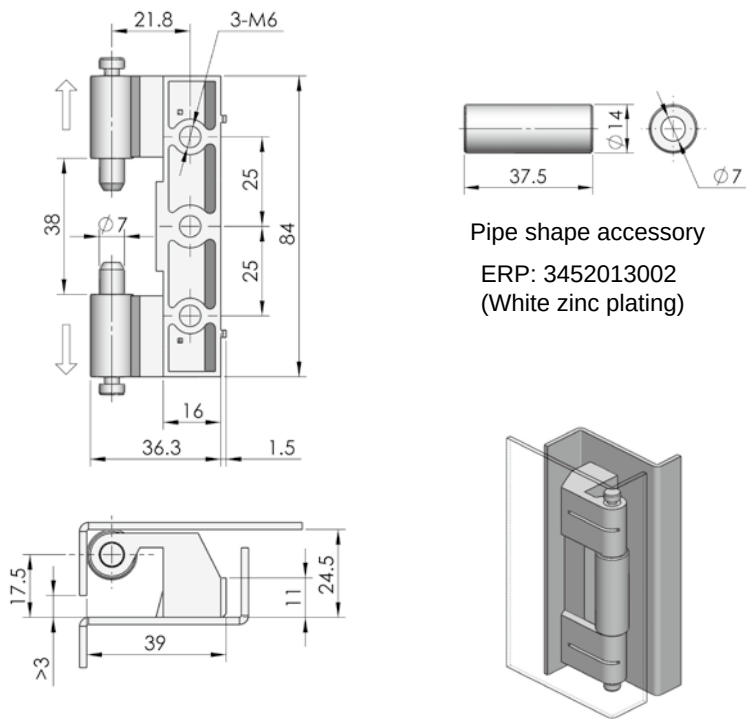
CL201-3



Main material and finish: ZDC hinge, steel pin and accessories

Performance parameter:

Maximum static load
Radial load: 300N
Axial load: 700N



Remark: $\geq$ size is 3.7, door's open angle is 90 degree.

	Black powder coated	Nanometer painted	Blast sprayed
ERP	CL201Z2A011	CL201Z2B008	CL201Z4D009

Remark: Accessory is not included in above ERP number, but optional.

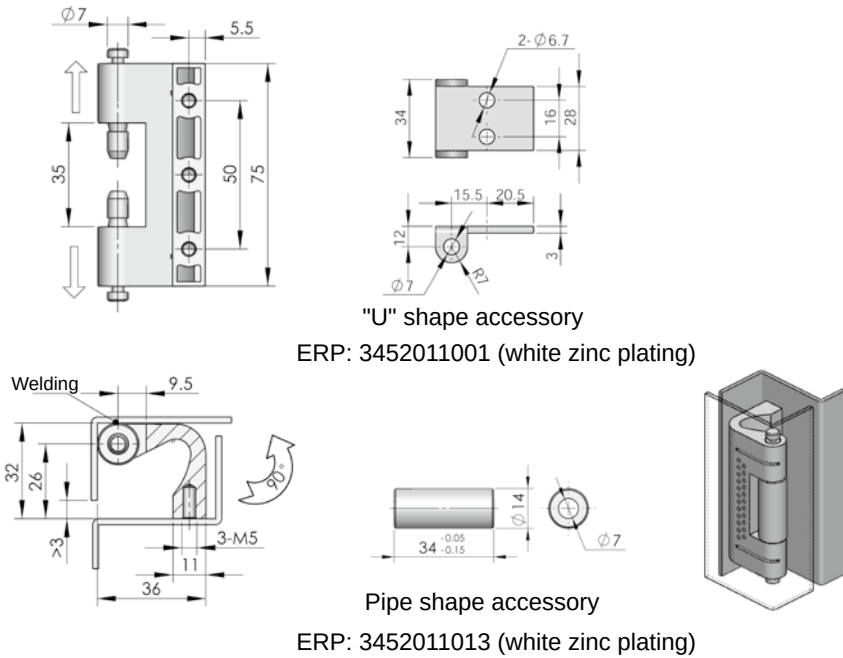
CL201-4



Main material and finish: ZDC hinge, steel pin and accessories

Performance parameter:

Maximum static load
Radial load: 640N
Axial load: 900N



Remark: $\geq$ size is 2.8, door's open angle is 90 degree.

	Black powder coated	Nanometer painted	Blast sprayed
ERP	CL201Z2A015	CL201Z2B009	CL201Z4D012

Remark: Accessory is not included in above ERP number, but optional

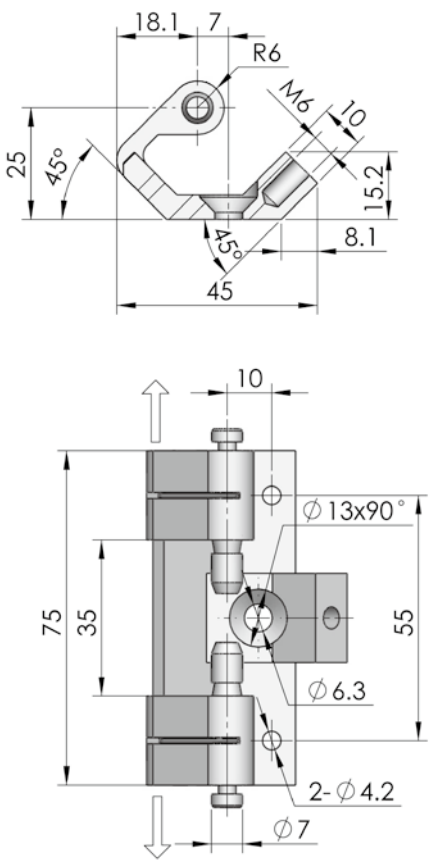
CL201-5



Main material and finish: ZDC hinge, steel pin and accessories

Performance parameter:

Maximum static load
Radial load: 700N
Axial load: 1500N



Pipe shape accessory
ERP: 3452011013 (White zinc plating)

Claw shape accessory
ERP: 3452011002 (White zinc plating)

	Black powder coated	Nanometer painted	Blast sprayed
ERP	CL201Z2A013	CL201Z2B005	CL201Z4D015

Remark: Accessory is not included in above ERP number, but optional

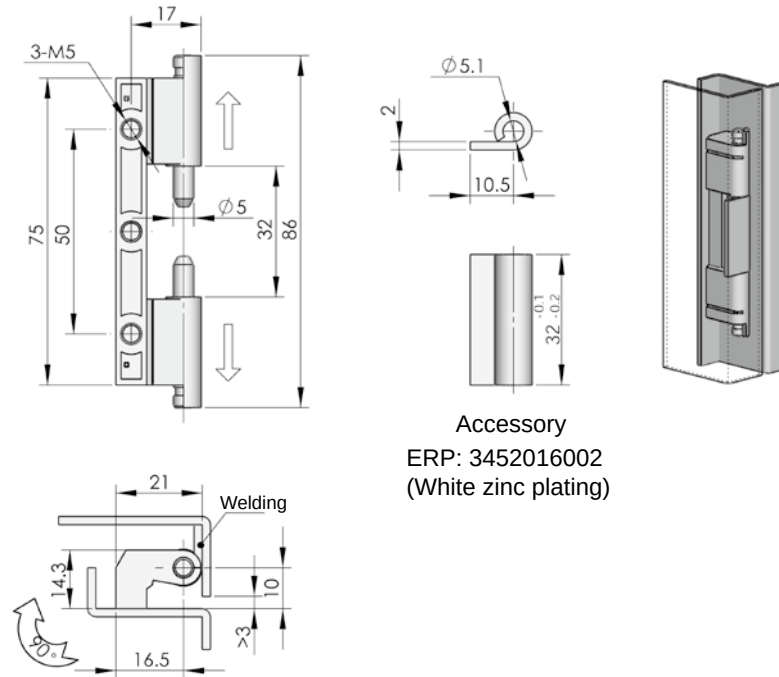
CL201-6



Main material and finish: ZDC hinge, steel pin and accessories
Application: Opening degree 90°

Performance parameter:

Maximum static load
Radial load: 900N
Axial load: 980N



Accessory
ERP: 3452016002
(White zinc plating)

Remark: ≥size is 2.7, door's open angle is 90 degree.

	Nanometer painted	Blast sprayed
ERP	CL201Z2B001	CL201Z4D021

Remark: Accessory is not included in above ERP number, but optional.

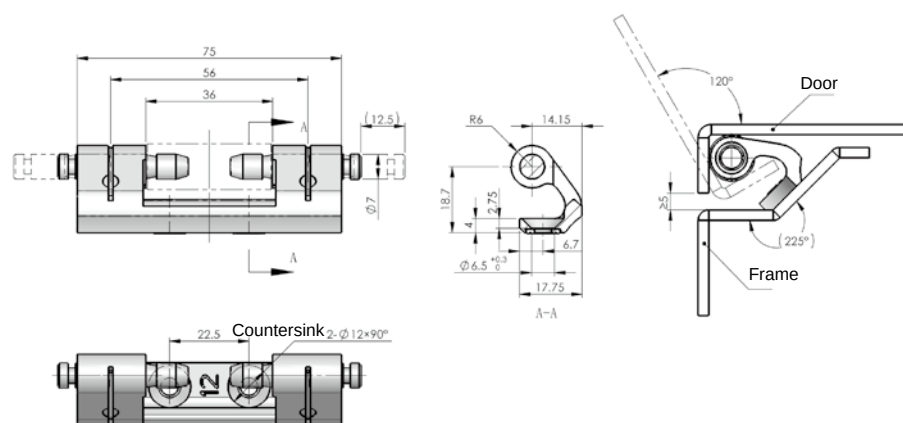
CL201-9



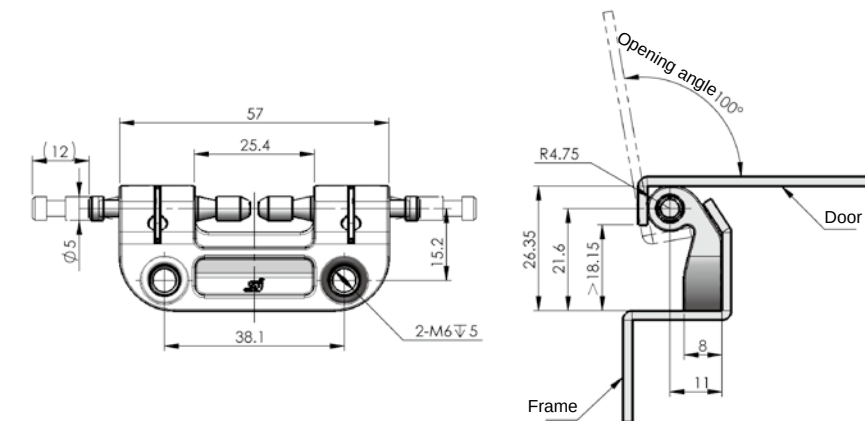
Main material and finish: Blast sprayed ZDC hinge leaf and steel pin.
Application: Opening angle 120°

Performance parameter:

Maximum static load
Radial load: 500N
Axial load: 800N



Specification	With washer	Without washer
ERP	CL201Z4D064	CL201Z4D067



Specification	With SJ logo	Without SJ logo
ERP	CL201Z2B021	CL201Z2B022

CL201-12



Main material and finish: Nanometer painted ZDC hinge leaf, steel pin
Application: Opening angle 100°

Performance parameter:

Maximum static load
Radial load: 900N
Axial load: 2000N

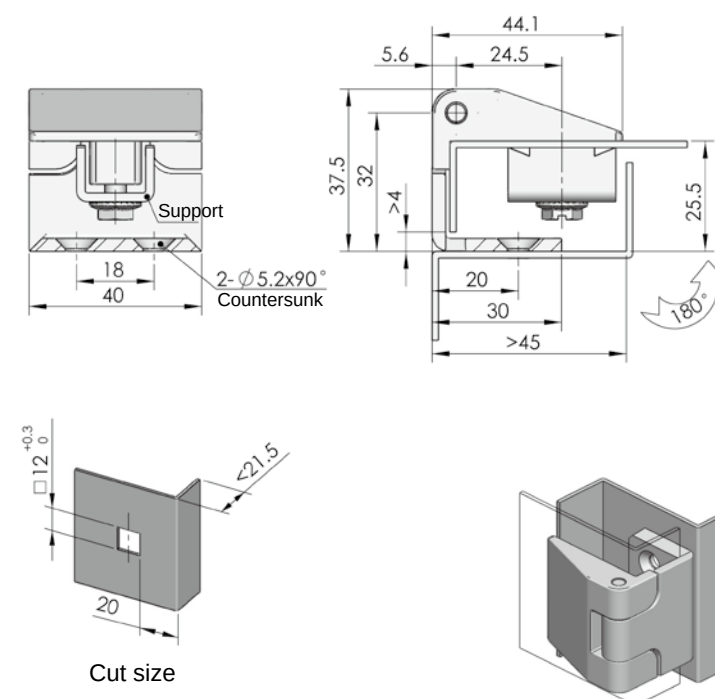
CL202-1



Main material and finish: ZDC door-part, steel frame-part and pin
Application: Opening degree 180°

Performance parameter:

Maximum static load
Radial load: 280N
Axial load: 390N



	Black Powder Coated	Nanometer painted
ERP	CL202Z1A001	CL202Z2B001

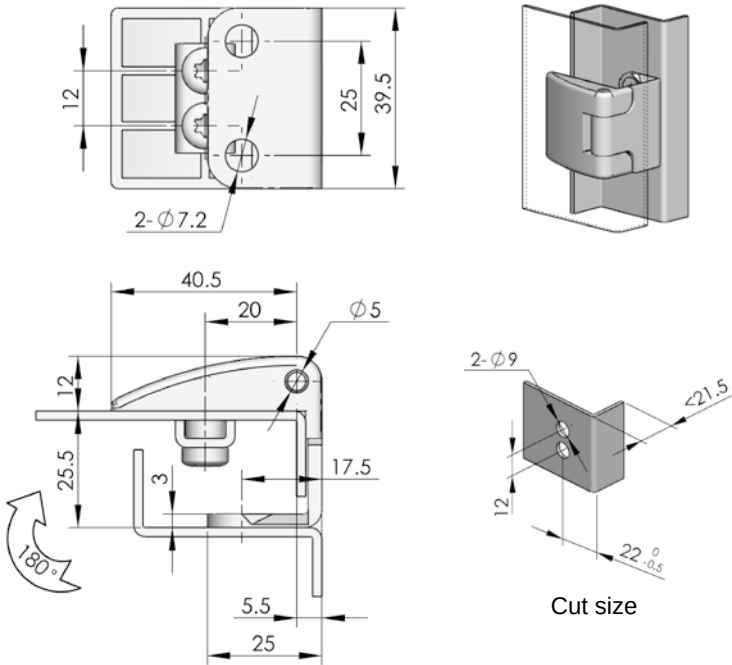
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

CL202-2



Main material and finish: ZDC door-part, steel frame-part, pin and screw
Application: Opening degree 180°

Performance parameter:
Maximum static load
Radial load: 560N
Axial load: 520N



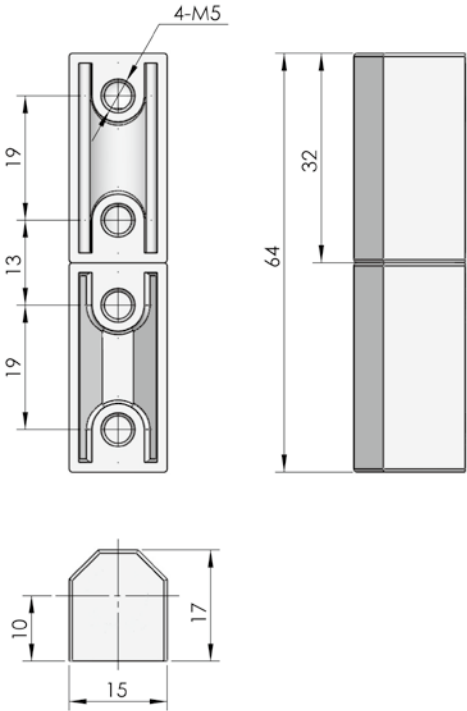
	Matt black powder coated	Malachite green powder coated	Pocked black powder coated
ERP	CL202Z1A002	CL202Z1F006	CL202Z1B001

CL203-2B



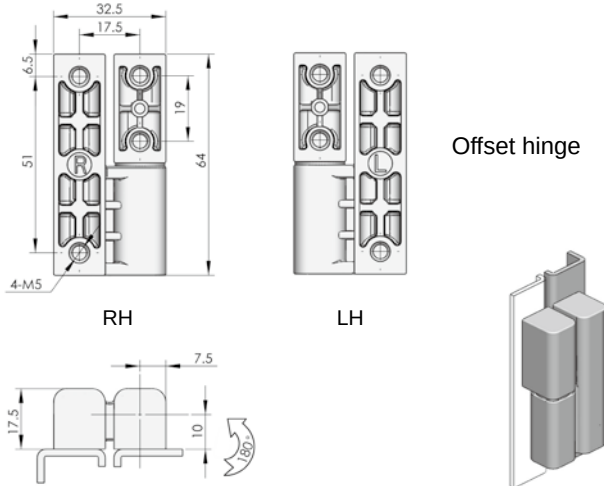
Main material and finish: ZDC hinge
Application: Opening degree 180°

Performance parameter:
Maximum static load
Radial load: 600N
Axial load: 1500N

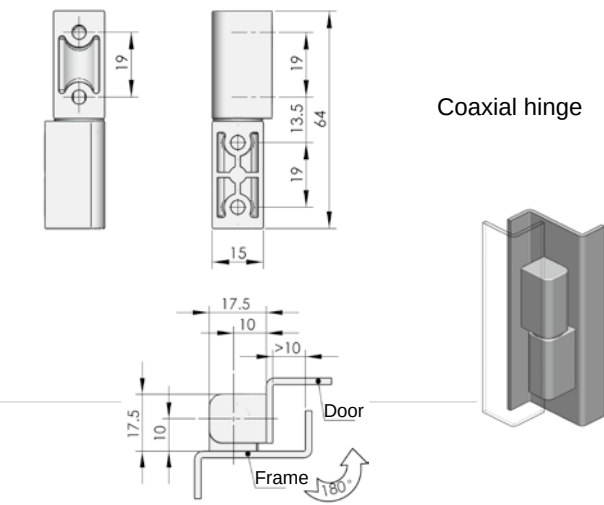


	Black powder coated	Bright chrome plated
ERP	CL203Z1A007	CL203Z3A005

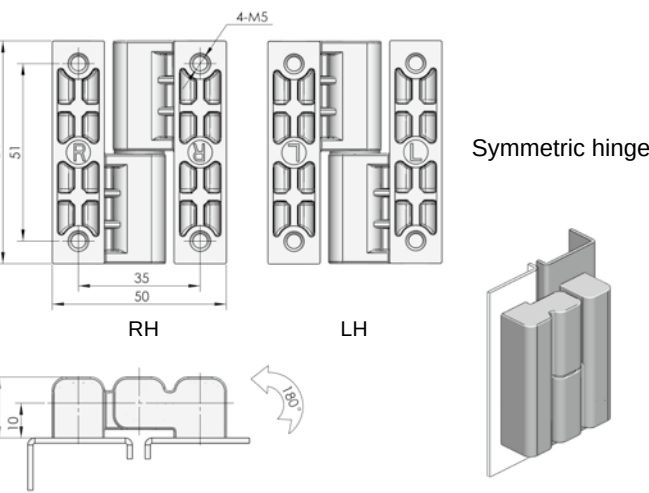
CL203-1



CL203-2



CL203-3



Specification	Model	ERP		
		Matt black powder coated	Pocked black powder coated	Nanometer painted
Coaxial hinge	CL203-2	CL203Z1A003	CL203Z1B004	CL203Z2B003
Offset left hinge	CL203-1-Z	CL203Z1A001	CL203Z1B001	CL203Z2B001
Offset right hinge	CL203-1-Y	CL203Z1A002	CL203Z1B002	CL203Z2B002
Symmetrical left hinge	CL203-3-Z	CL203Z1A008		CL203Z2B004
Symmetrical right hinge	CL203-3-Y	CL203Z1A009	CL203Z1B015	CL203Z2B005

CL203-1



CL203-2



CL203-3



Main material and finish: ZDC hinge PA bushing
Application: Opening degree 180°

Performance parameter:
Maximum static load

Model: CL203-1
Radial load: 490N Axial load: 570N

Model: CL203-2
Radial load: 650N Axial load: 1550N

Model: CL203-3
Radial load: 3300N Axial load: 880N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

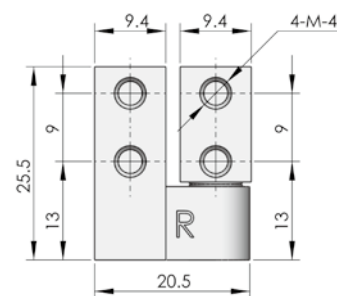
CL203-4



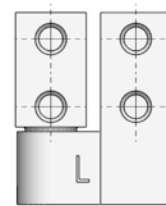
Main material and finish: ZDC hinge
Application: Opening angle 180°

Performance parameter:

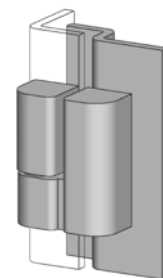
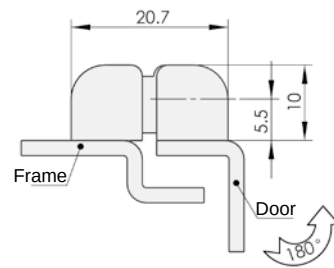
Maximum static load
Radial load: 270N
Axial load: 730N



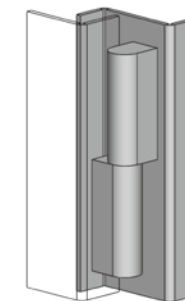
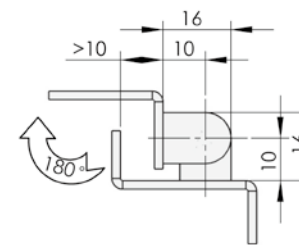
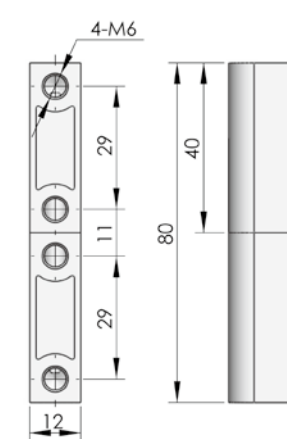
RH



LH



Specification	Model	ERP	
		Black powder coated	Nanometer painted
Left hand	CL203-4-Z	CL203Z2A001	CL203Z2B006
Right hand	CL203-4-Y	CL203Z2A002	CL203Z2B007



	Black powder coated	Nanometer painted	Bright chrome plated
ERP	CL204Z1A001	CL204Z2B001	CL204Z3A001

CL204-1



Main material and finish: ZDC hinge
Application: Opening angle 180°

Performance parameter:

Maximum static load
Radial load: 980N
Axial load: 2800N

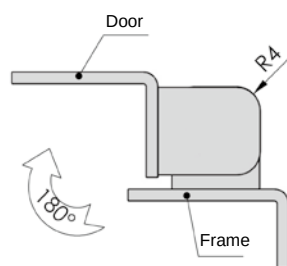
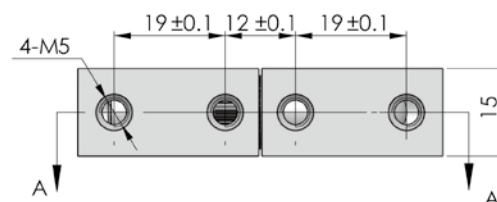
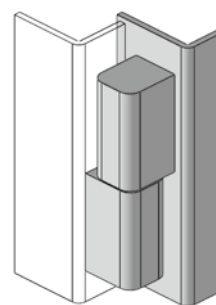
CL203-7



Main material and finish: Wiredrawing polishing stainless steel hinge
Application: Opening angle 180°

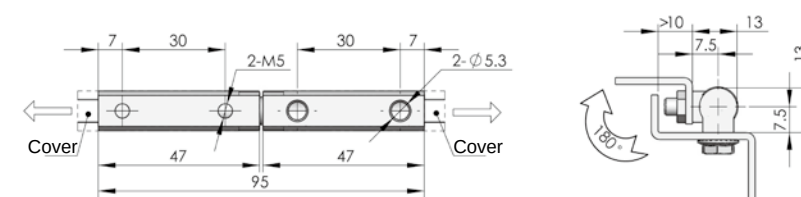
Performance parameter:

Maximum static load
Radial load: 1295N
Axial load: 2240N

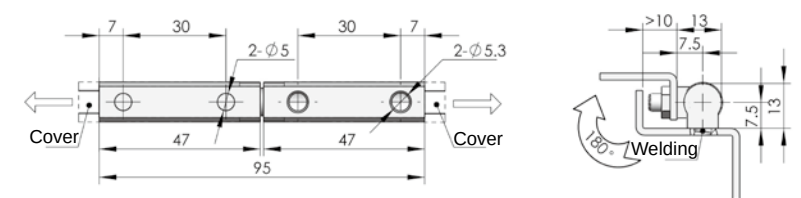


Section A-A

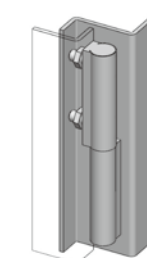
ERP	CL203S4B001
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CL204-2



CL204-3



	CL204-2 Fixed with screw	CL204-2 Welding
ERP	CL204S00001	CL204S9C001

CL204-2
CL204-3

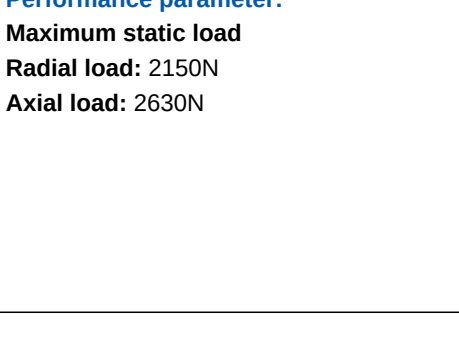
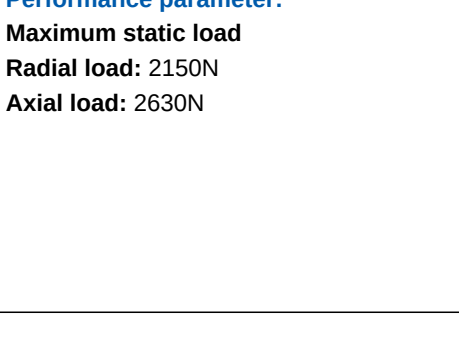
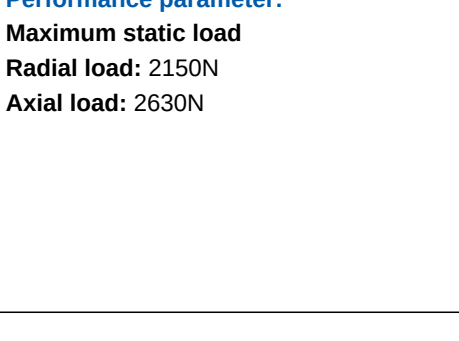
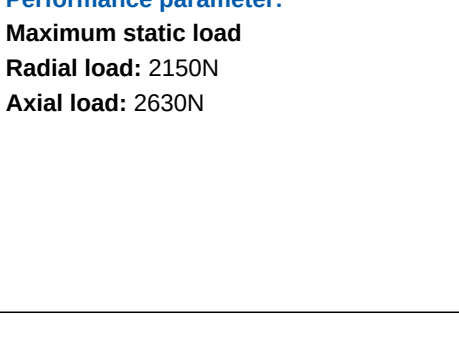
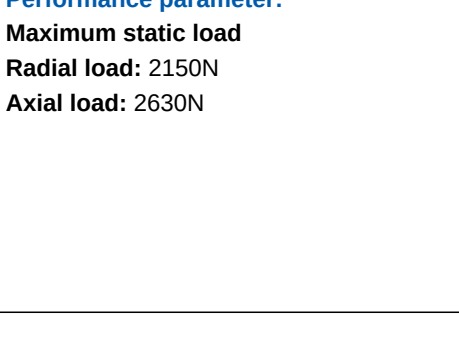
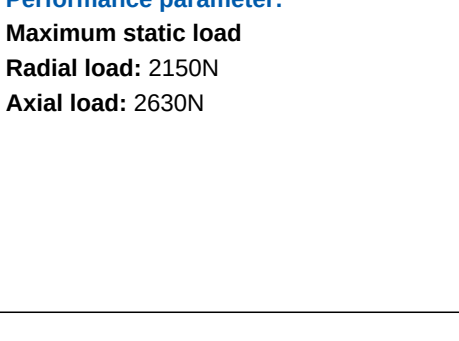
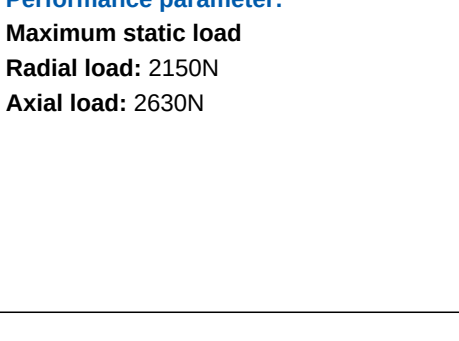


INOX
AISI
3..

Main material and finish: Steel hinge leaf and stainless steel cover
Application: Opening angle 180°

Performance parameter:

Maximum static load
Radial load: 1800N
Axial load: 2900N

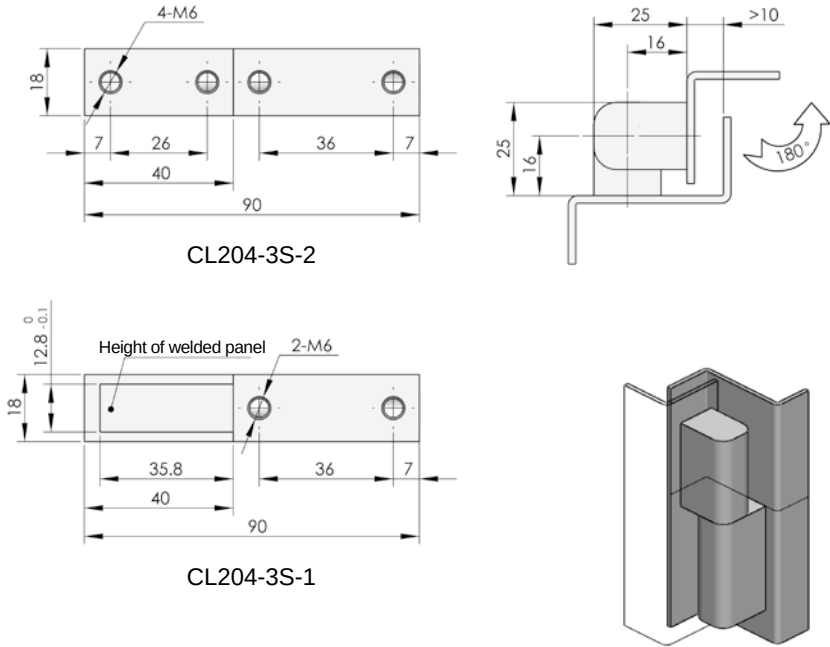
Accessories	Electronic lock	Handle lock	Cylinder lock	Plane lock	Rod control lock	CL204-3C   Main material and finish: Bright chrome-plated ZDC hinge Application: Opening angle 180° Performance parameter: Maximum static load Radial load: 1000N Axial load: 1800N	ERP CL204Z3A002	Accessories
Panel lock	Toggle and hook	Handles	Door stop	Hinge	Seal gasket	CL204-3D   Main material and finish: Bright chrome-plated ZDC hinge Application: Opening angle 180° Performance parameter: Maximum static load Radial load: 2150N Axial load: 2630N	ERP CL204Z3A003	Panel lock
Electronic lock	Handle lock	Cylinder lock	Plane lock	Rod control lock	Panel lock	CL204-3E   Main material and finish: Bright chrome-plated ZDC hinge Application: Opening angle 180° Performance parameter: Maximum static load Radial load: 1000N Axial load: 1800N	ERP CL204Z3A004	Electronic lock
Electronic lock	Handle lock	Cylinder lock	Plane lock	Rod control lock	Panel lock	CL204-3F   Main material and finish: Bright chrome-plated ZDC hinge Application: Opening angle 180° Performance parameter: Maximum static load Radial load: 1000N Axial load: 1800N	ERP CL204Z3A005	Electronic lock
Electronic lock	Handle lock	Cylinder lock	Plane lock	Rod control lock	Panel lock	CL204-3G   Main material and finish: Bright chrome-plated ZDC hinge Application: Opening angle 180° Performance parameter: Maximum static load Radial load: 1000N Axial load: 1800N	ERP CL204Z3A006	Electronic lock
Electronic lock	Handle lock	Cylinder lock	Plane lock	Rod control lock	Panel lock	CL204-3H   Main material and finish: Bright chrome-plated ZDC hinge Application: Opening angle 180° Performance parameter: Maximum static load Radial load: 1000N Axial load: 1800N	ERP CL204Z3A007	Electronic lock
Electronic lock	Handle lock	Cylinder lock	Plane lock	Rod control lock	Panel lock	CL204-3I   Main material and finish: Bright chrome-plated ZDC hinge Application: Opening angle 180° Performance parameter: Maximum static load Radial load: 1000N Axial load: 1800N	ERP CL204Z3A008	Electronic lock
Electronic lock	Handle lock	Cylinder lock	Plane lock	Rod control lock	Panel lock	CL204-3J   Main material and finish: Bright chrome-plated ZDC hinge Application: Opening angle 180° Performance parameter: Maximum static load Radial load: 1000N Axial load: 1800N	ERP CL204Z3A009	Electronic lock
Electronic lock	Handle lock	Cylinder lock	Plane lock	Rod control lock	Panel lock	CL204-3K   Main material and finish: Mirror polishing stainless steel hinge Application: Opening angle 180° Performance parameter: Maximum static load Radial load: 2000N Axial load: 1530N	ERP CL204S4A013	Electronic lock

CL204-3S

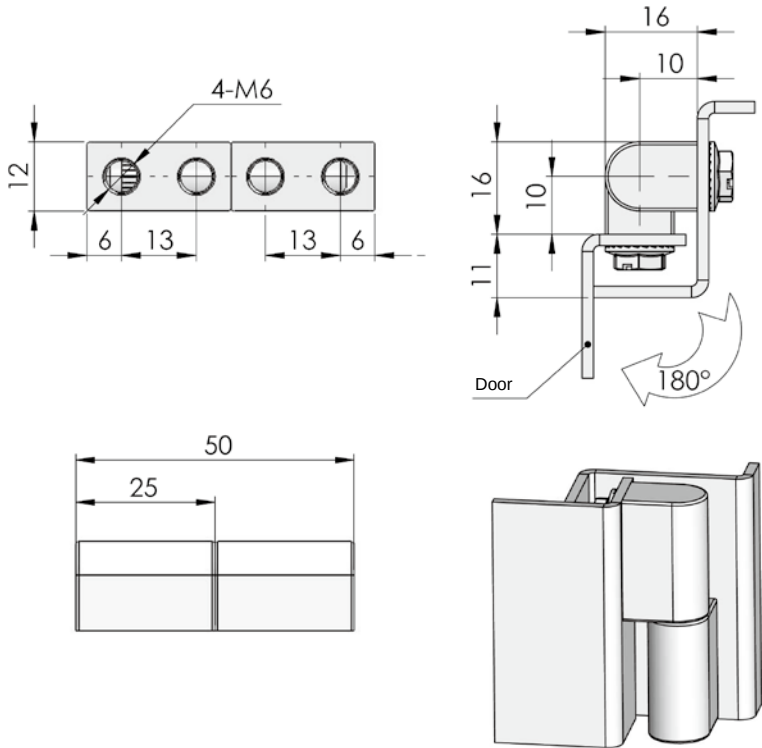


Main material and finish: SUS304, wiredrawing polishing
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 1700N
Axial load: 2200N



	CL204-3S-1	CL204-3S-2
ERP	CL204S4B002	CL204S4B003



ERP	CL204S4A020
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CL204-7



Main material and finish: Mirror polishing
SUS304 stainless steel hinge
Application: Opening angle 180°

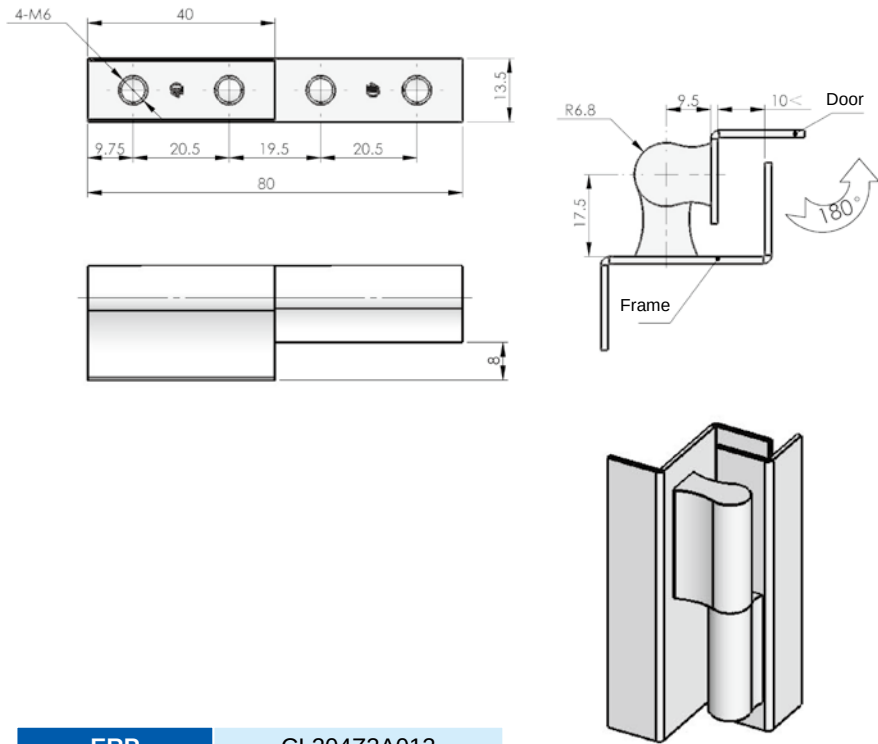
Performance parameter:
Maximum static load
Radial load: 1500N
Axial load: 2000N

CL204-4D

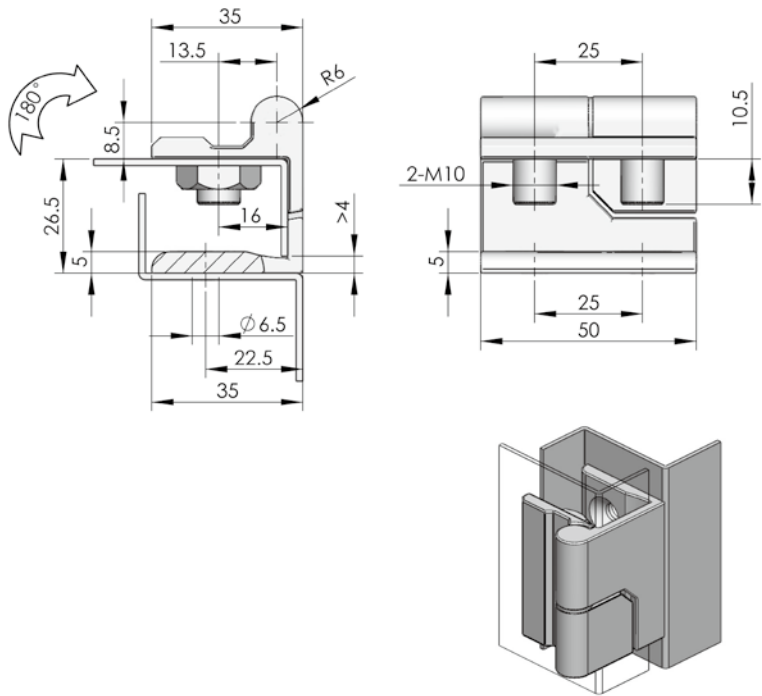


Main material and finish: Bright chrome plated ZDC exposed hinge
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 1500N
Axial load: 2000N



ERP	CL204Z3A013
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Specification	Model	ERP	
		Black powder coated	Pocked black powder coated
Left hand	CL205-1-Z	CL205Z1A001	CL205Z1B001
Right hand	CL205-1-Y	CL205Z1A002	CL205Z1B002

CL205-1



Main material and finish: ZDC hinge
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 917N
Axial load: 710N

CL205-2



CL205-2-Z

CL205-2-Y



Main material and finish: ZDC hinge leaf and bushing, PA shaft

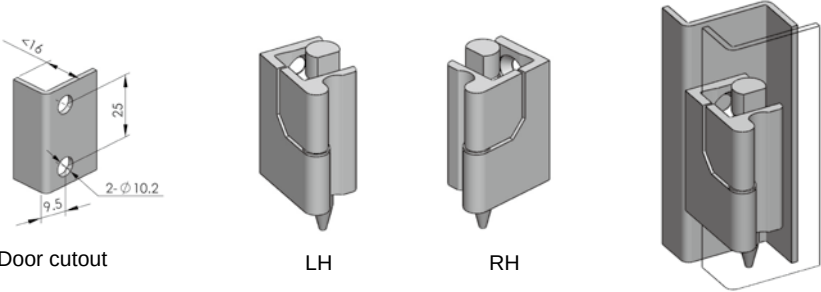
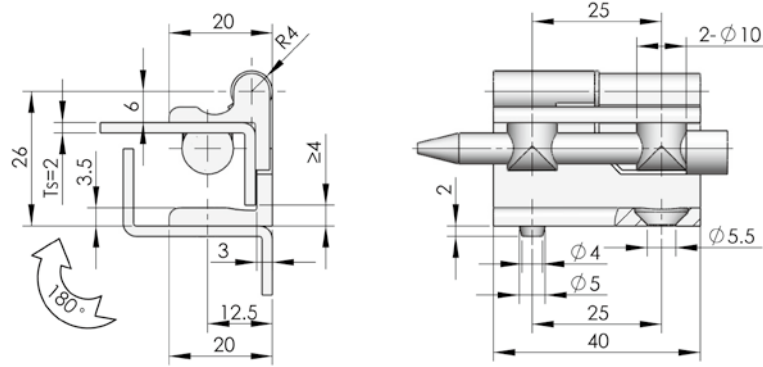
Application: Opening angle 180°

Performance parameter:

Maximum static load

Radial load: 245N

Axial load: 305N



Specification	Model	ERP	
		Bright chrome-plated	Pocked black powder coated
Left hand	CL205-2-Z	CL205Z3A001	CL205Z1B003
Right hand	CL205-2-Y	CL205Z3A002	CL205Z1B004

CL206-1



Main material and finish: Bright chrome plated steel hinge, steel gasket

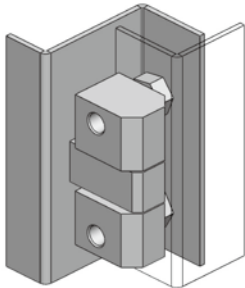
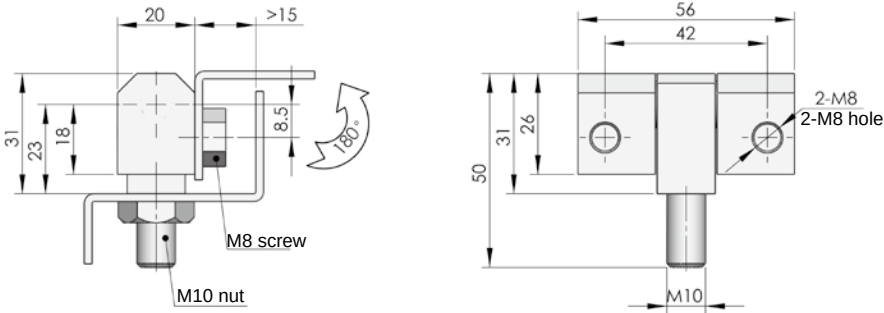
Application: Opening angle 180°

Performance parameter:

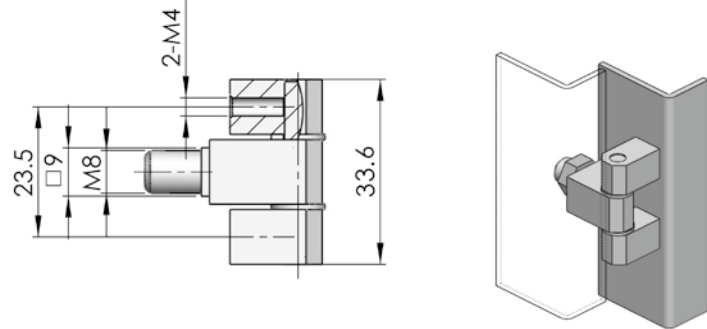
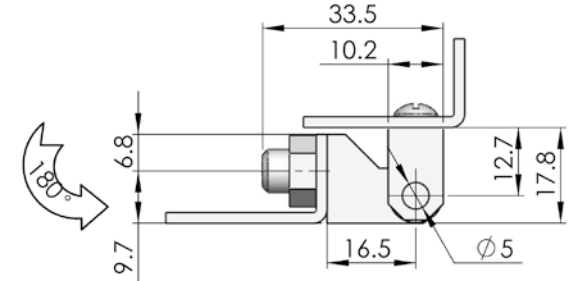
Maximum static load

Radial load: 2500N

Axial load: 1785N



ERP	CL206F3A001
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	Black powder coated	Bright chrome-plated
ERP	CL206Z1A001	CL206Z3A007

CL206-2



Main material and finish: ZDC hinge, steel pin

Application: Opening angle 180°

Performance parameter:

Maximum static load

Radial load: 1200N

Axial load: 1000N

CL206-3



Main material and finish: Bright chrome plated steel hinge and gasket

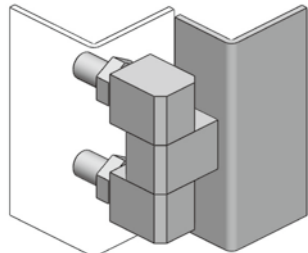
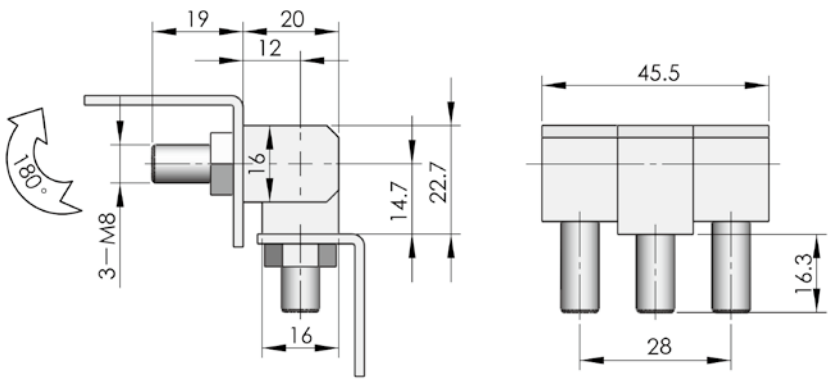
Application: Opening angle 180°

Performance parameter:

Maximum static load

Radial load: 2000N

Axial load: 1500N



	Pocked black powder coated	Black painted	Bright chrome plated
ERP	CL206F1B001	CL206F2A001	CL206F3A008

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

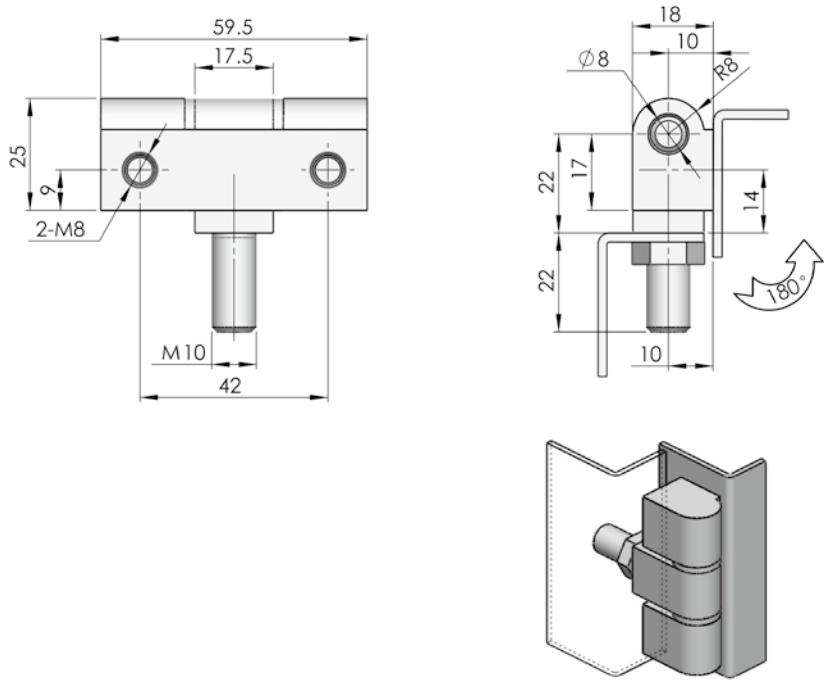
CL206-3B



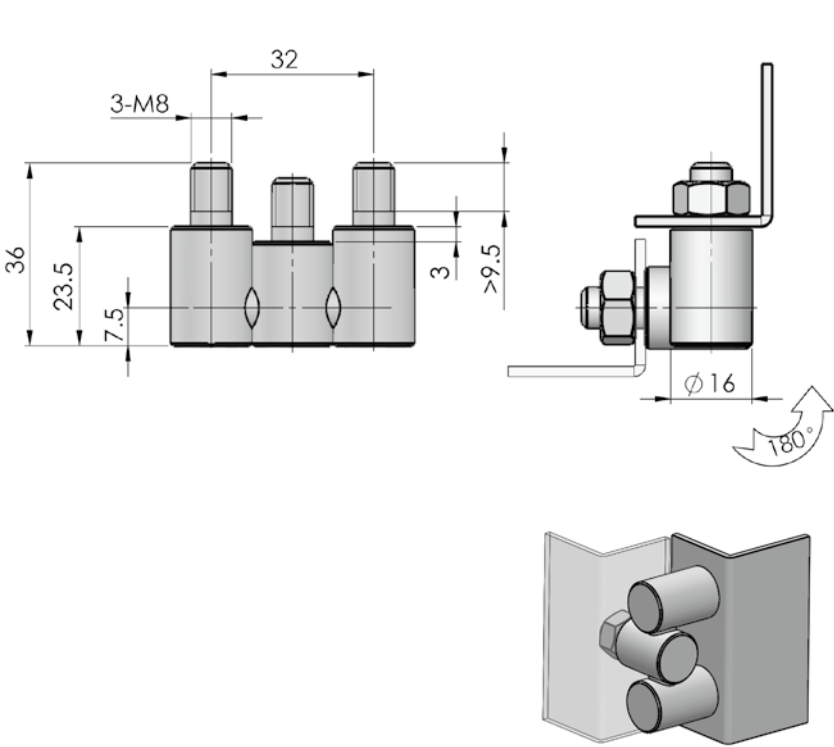
Main material and finish: ZDC hinge
Application: Opening angle 180°

Performance parameter:

Maximum static load
Radial load: 2000N
Axial load: 1520N
Embedded screw recommended
tightening torque : 50N.m



	Black painted	Bright chrome-plated
ERP	CL206Z2A002	CL206Z3A011



ERP	CL206S4B002
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CL206-12



Main material and finish:Wiredrawing
polishing SUS316 stainless steel hinge
Application: Opening angle 180°

Performance parameter:

Maximum static load
Radial load: 1500N
Axial load: 2000N

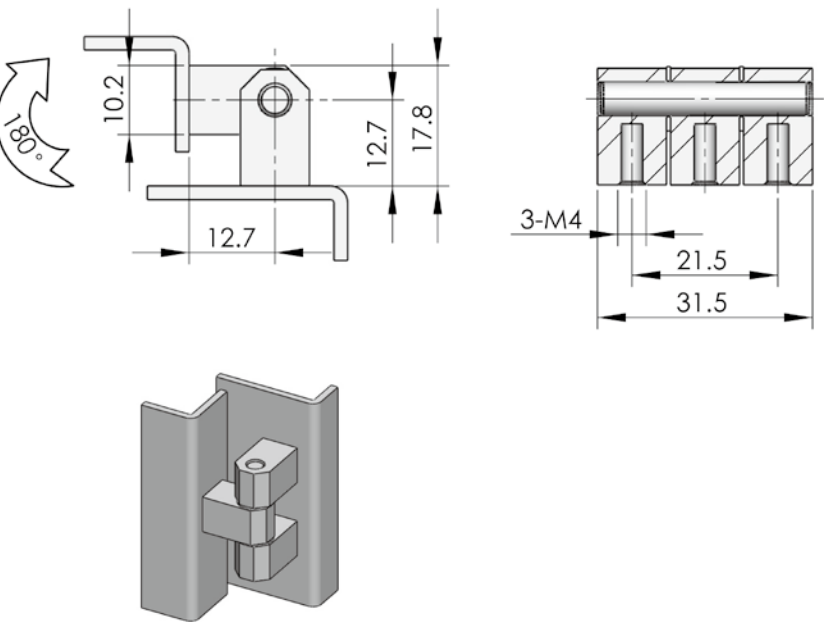
CL206-4



Main material and finish: ZDC hinge,
steel pin
Application: Opening angle 180°

Performance parameter:

Maximum static load
Radial load: 1200N
Axial load: 1000N



	Black powder coated	Bright chrome-plated
ERP	CL206Z1A003	CL206Z3A012

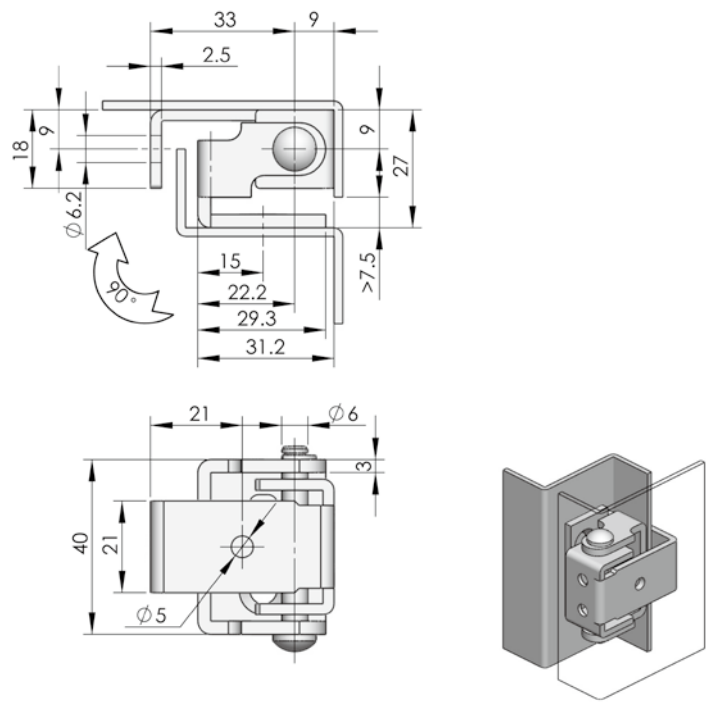
CL207



Main material and finish: White zinc-
plated steel hinge
Application: Opening angle 90°

Performance parameter:

Maximum static load
Radial load: 170N
Axial load: 190N



ERP	CL207F3D001
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CL208



Main material and finish: ZDC hinge, steel support and screw

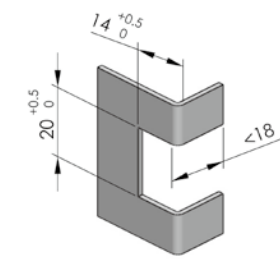
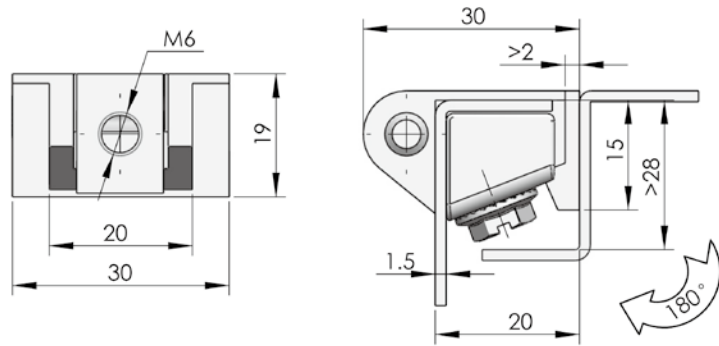
Application: Opening angle 180°

Performance parameter:

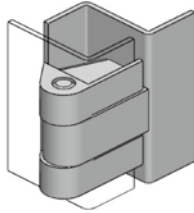
Maximum static load

Radial load: 240N

Axial load: 520N



Door cutout



	Matt black powder coated	Nanometer painted	Bright chrome-plated
ERP	CL208Z1A001	CL208Z2B001	CL208Z3A001

CL209-1C



Main material and finish: Nanometer painted ZDC hinge, stainless steel shaft and screw

Application: Opening angle 180°

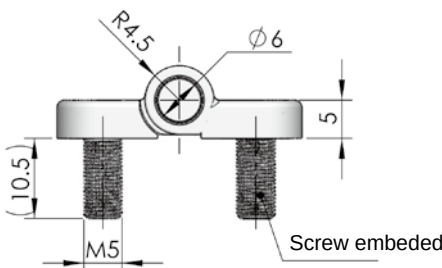
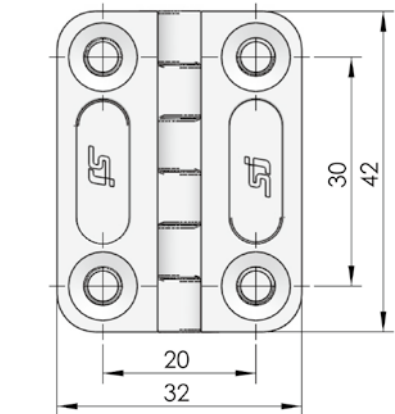
Performance parameter:

Maximum static load

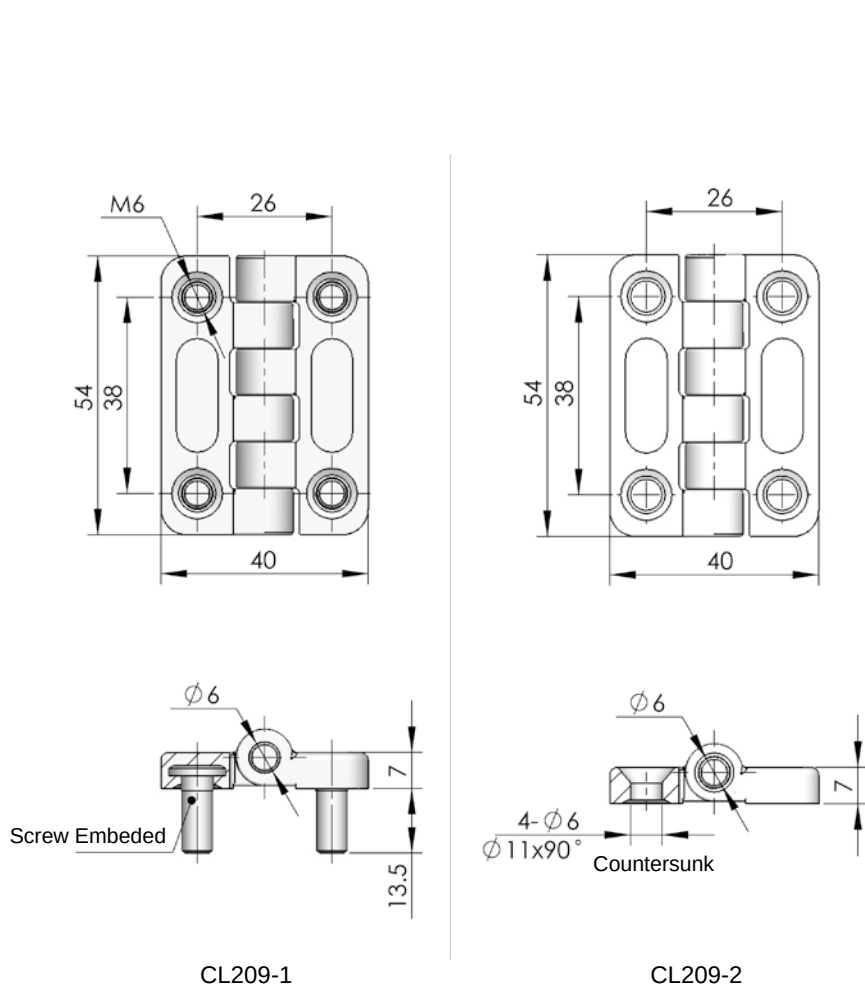
Radial load: 1800N

Axial load: 1350N

Embedded screw recommended tightening torque : 9N.m



ERP	CL209Z2B004
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CL209-1

CL209-2

Specification	ERP	
	CL209-1	CL209-2
Bright chrome-plated	CL209Z3A001	CL209Z3A002
Matt black powder coated	CL209Z1A001	CL209Z1A015
Pocked black powder coated	CL209Z1B001	CL209Z1B002
Nanometer painted	CL209Z2B001	CL209Z2B006

CL209-1



CL209-2



Main material and finish: ZDC hinge and steel pin

Application: Opening angle 180°

Performance parameter:

Maximum static load

Radial load: 1500N

Axial load: 1800N

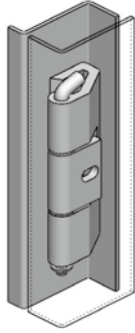
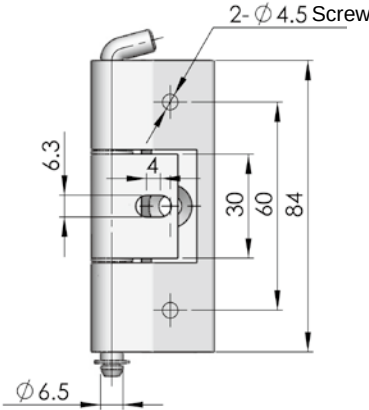
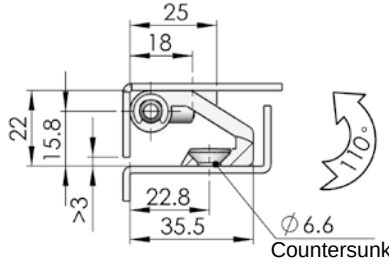
Embedded screw recommended tightening torque : 10N.m

CL210

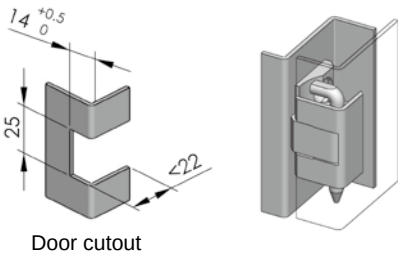
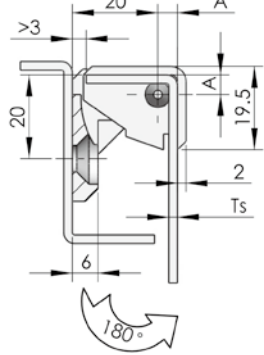
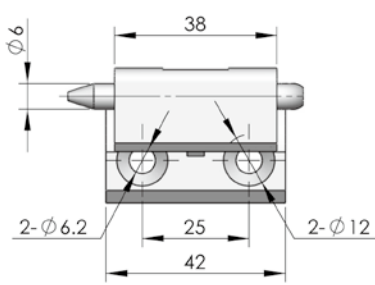


Main material and finish: ZDC hinge, steel pin, PA gasket set
Application: Opening angle 110°

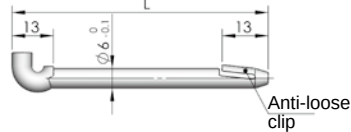
Performance parameter:
Maximum static load
Radial load: 720N
Axial load: 830N



	Matt black powder coated	Nanometer painted
ERP	CL210Z1A001	CL210Z2B001



Optional nylon pin



Part No.	L
PN001	57
PN002	78

Specification	A	Model	ERP
Suitable door thickness, Ts=2mm	5.1	CL212-1	CL212Z1A001
Suitable door thickness, Ts=3mm	6.1	CL212-2	CL212Z1A003
Suitable door thickness, Ts=1.5mm	4.6	CL212-3	CL212Z1A004

CL212



Main material and finish: Black powder coated ZDC hinge, nickel-plated steel pin
Application: Opening angle 180°

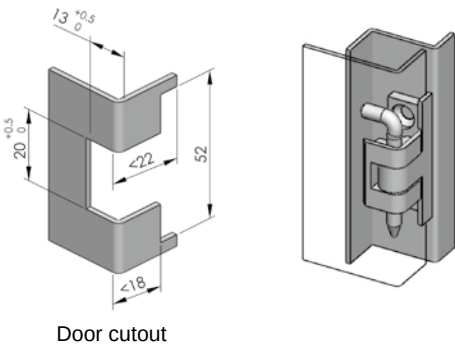
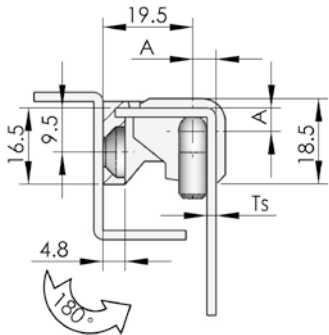
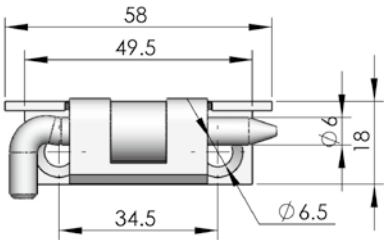
Performance parameter:
Maximum static load
Radial load: 1050N
Axial load: 980N

CL211

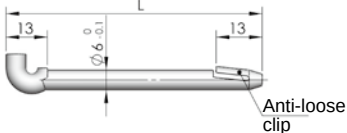


Main material and finish: Black powder coated ZDC hinge, nickel-plated steel pin
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 1500N
Axial load: 1800N

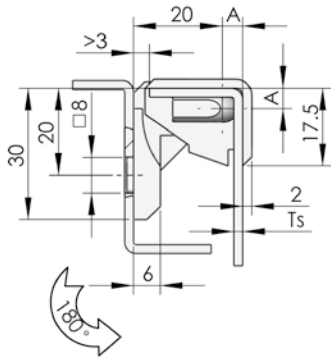
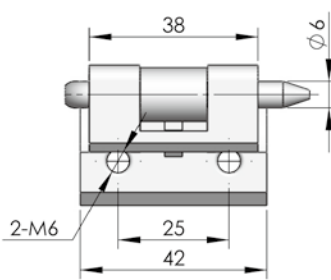
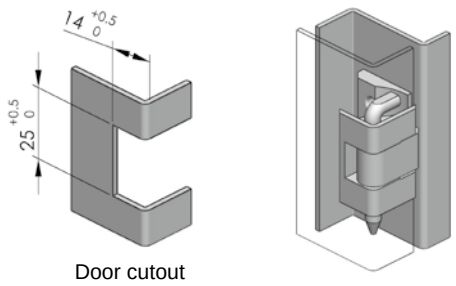
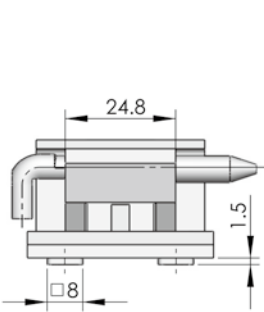


Optional nylon pin



Part No.	L
PN001	57
PN002	78

Specification	A	Model	ERP
Suitable door thickness, Ts=1.5mm	4.6	CL211-1	CL211Z1A001
Suitable door thickness, Ts=2mm	5.1	CL211-2	CL211Z1A010



ERP	Specification	A
CL212Z1A007	Suitable door thickness, Ts=2mm	5.1
CL212Z1A008	Suitable door thickness, Ts=3mm	6.1
CL212Z1A009	Suitable door thickness, Ts=1.5mm	4.6

CL212-1B/2B/3B



Main material and finish: Black powder coated ZDC hinge, nickel-plated steel pin
Application: Opening angle 180°

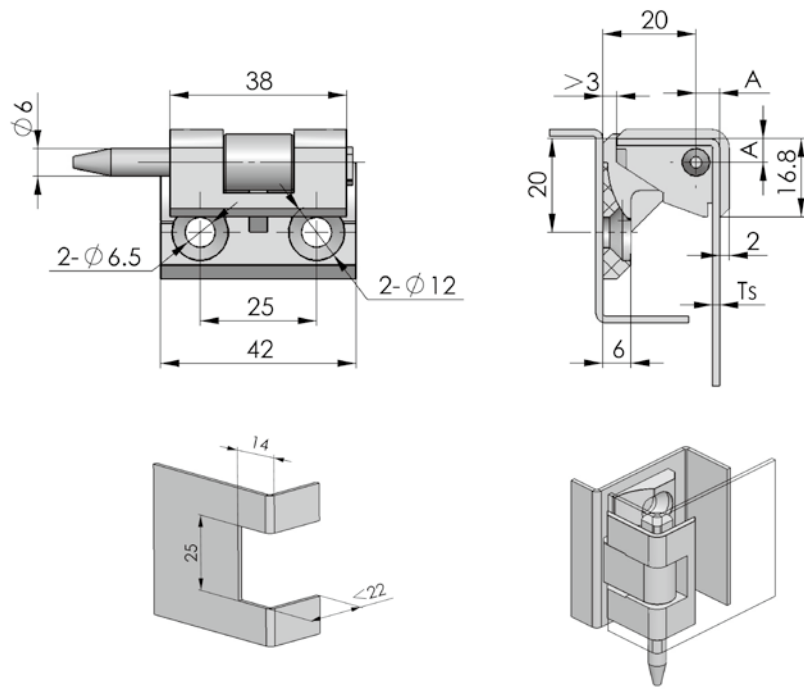
Performance parameter:
Maximum static load
Radial load: 1050N
Axial load: 980N

CL212-F

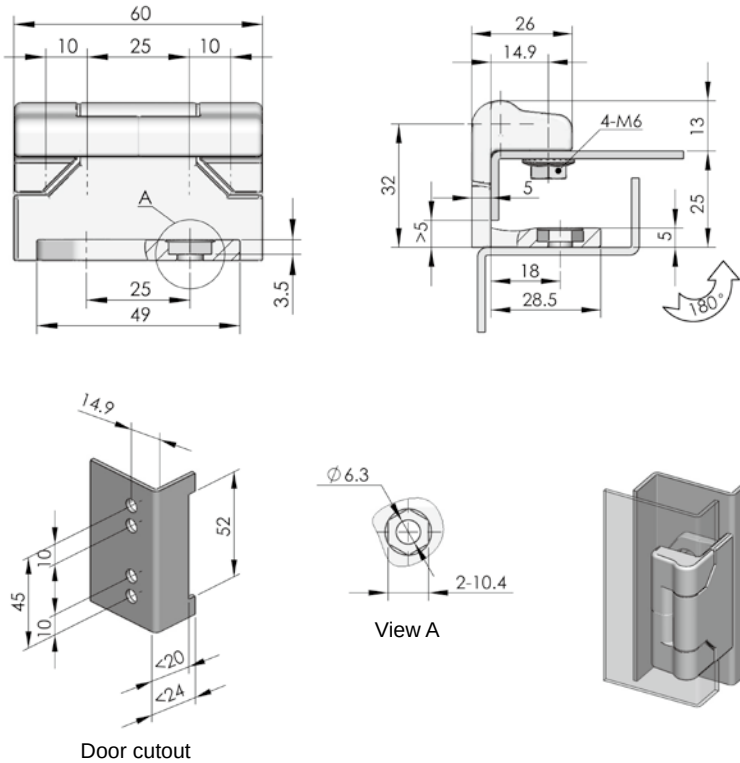


Main material and finish: Black nylon hinge
Application: Opening angle 90°

Performance parameter:
Maximum static load
Radial load: 77N
Axial load: 105N



Specification	A	ERP
Suitable door thickness Ts=1.0mm	4.4	CL212N00001
Suitable door thickness Ts=1.5mm	5.1	CL212N00002



ERP	CL213Z1A001
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CL213-1



Main material and finish: Black powder coated ZDC hinge, black-plated steel pin, brass gasket
Application: Opening angle 180°

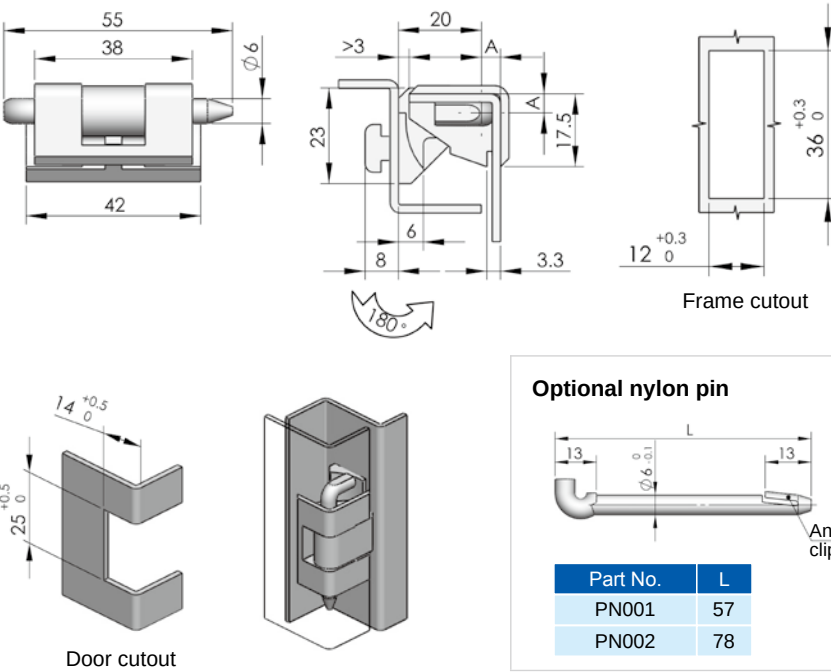
Performance parameter:
Maximum static load
Radial load: 980N
Axial load: 630N

CL212-3A

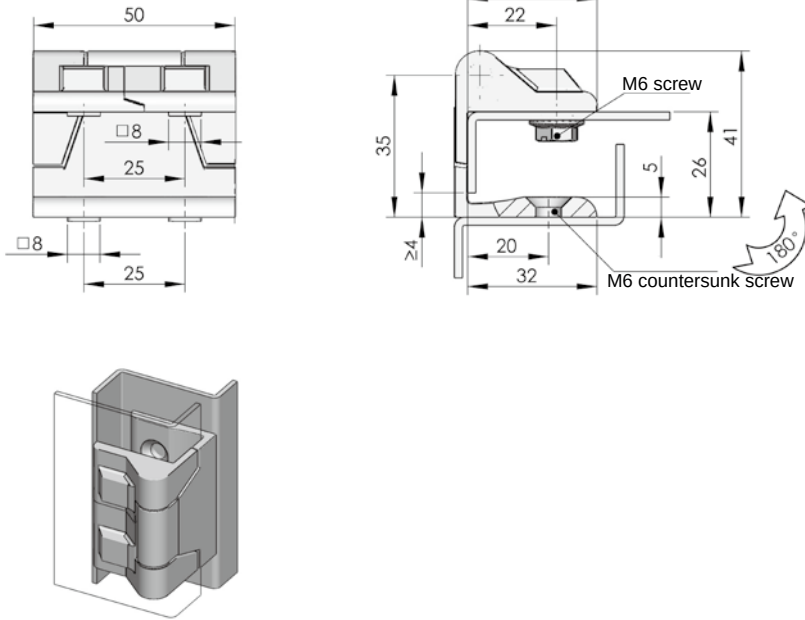


Main material and finish: Black powder coated ZDC hinge, nickel-plated steel pin
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 1050N
Axial load: 980N



ERP	Specification	A
CL212Z1A002	Suitable door thickness, Ts=2mm	5.1
CL212Z1A005	Suitable door thickness, Ts=3mm	6.1
CL212Z1A006	Suitable door thickness, Ts=1.5mm	4.6



	Black powder coated	Pocked black powder coated
ERP	CL213Z1A003	CL213Z1B002

CL213-2



Main material and finish: ZDC hinge, brass gasket and steel pin
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 575N
Axial load: 1030N

CL213-3



Main material and finish: ZDC hinge, PA shaft

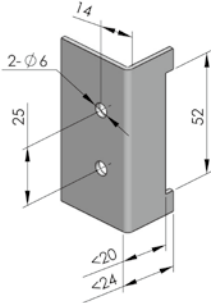
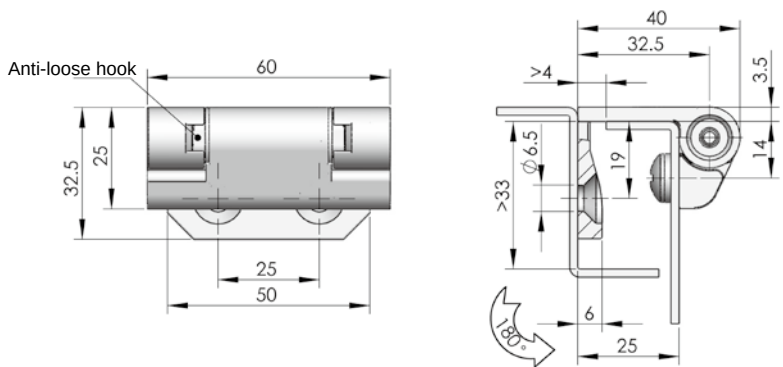
Application: Opening angle 180°

Performance parameter:

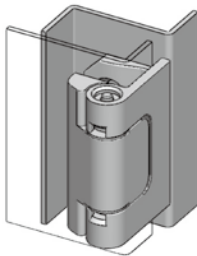
Maximum static load

Radial load: 670N

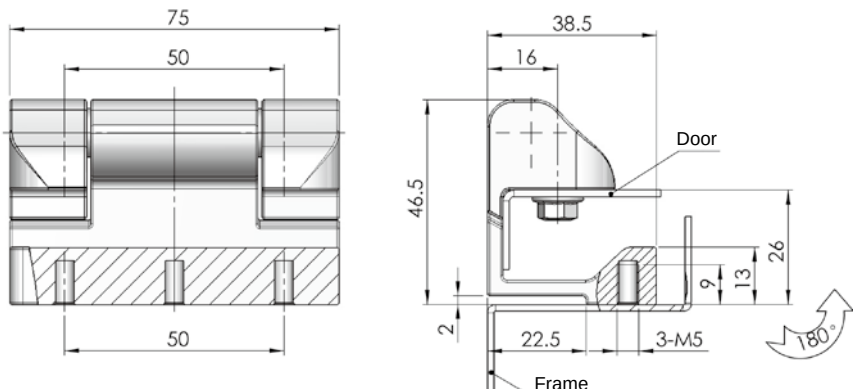
Axial load: 255N



Door cutout



	Black powder coated	Pocked black powder coated
ERP	CL213Z1A004	CL213Z1B003



ERP	CL213ZXX003
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CL213-7



Main material and finish: Powder coated ZDC half-concealed hinge

Application: Opening angle 180°

Performance parameter:

Maximum static load

Radial load: 680N

Axial load: 1225N

CL213-6



Main material and finish: Black powder coated hinge, brass washer and steel pin

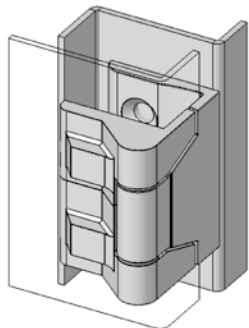
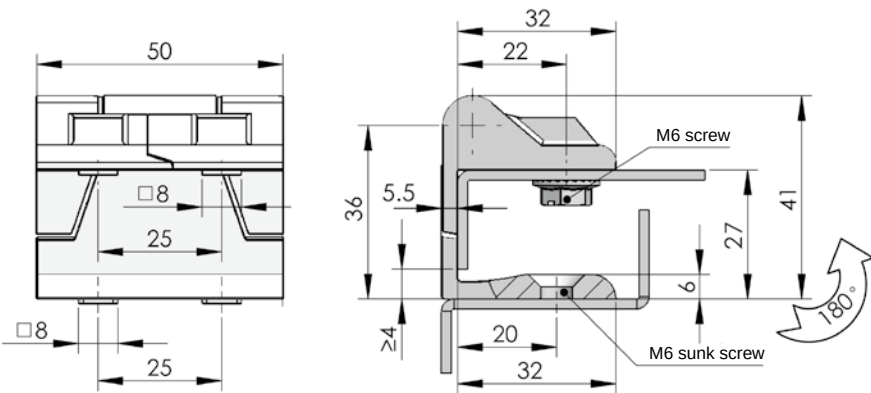
Application: Opening angle 180°

Performance parameter:

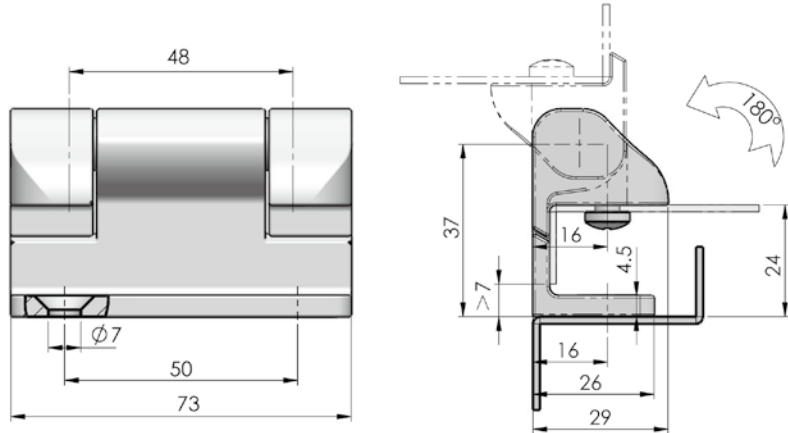
Maximum static load

Radial load: 1225N

Axial load: 775N



ERP	CL213Z1A007
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ERP	CL213ZXX007
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CL213-9



Main material and finish: Orange-peel (RAL7035) powder coated ZDC hinge leaf and stainless steel pin

Application: Opening angle 180°

Performance parameter:

Maximum static load

Radial load: 320N

Axial load: 350N



Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

CL214



CL214-1

CL214-2



Main material and finish: ZDC hinge and steel pin

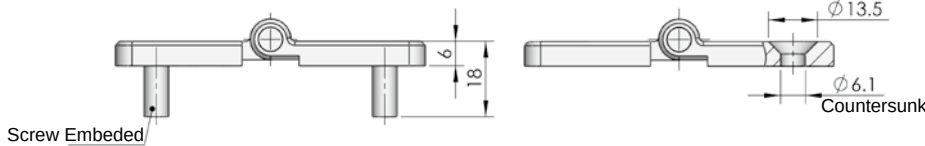
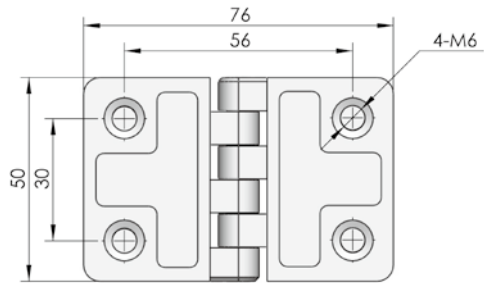
Application: Opening angle 180°

Performance parameter:

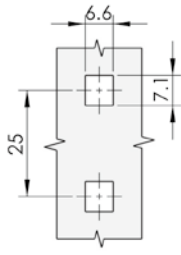
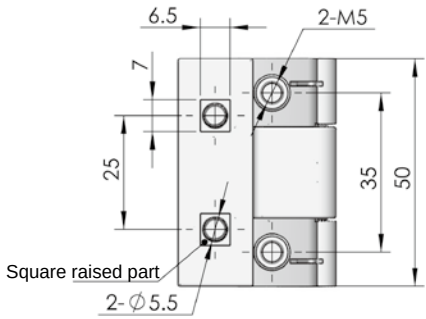
Maximum static load

Radial load: 1125N

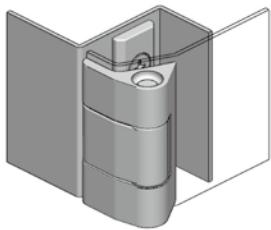
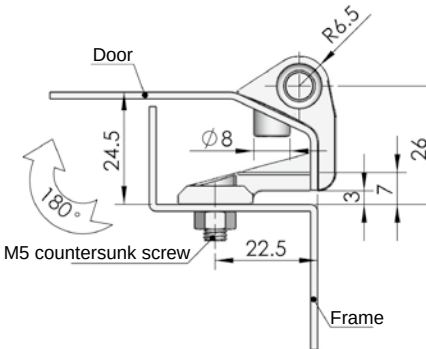
Axial load: 1490N



Specification	ERP	
	CL214-1	CL214-2
Bright chrome-plated	CL214Z3A001	CL214Z3A002
Matt black powder coated	CL214Z1A001	CL214Z1A003
Pocked black powder coated	CL214Z1B001	CL214Z1B002
Nanometer painted	CL214Z2B001	CL214Z2B002



Frame cutout



ERP

CL216Z1A001

CL215



Main material and finish: White zinc plated steel hinge, PA washer

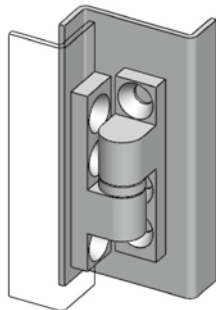
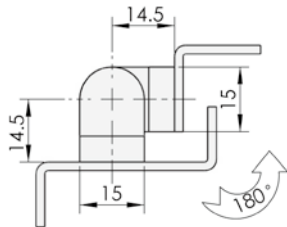
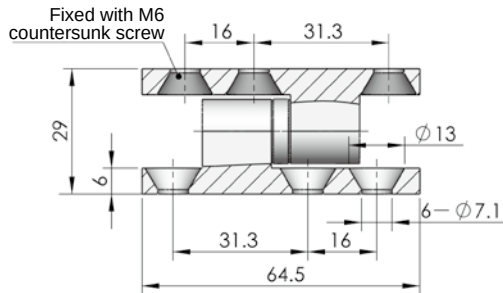
Application: Opening angle 180°

Performance parameter:

Maximum static load

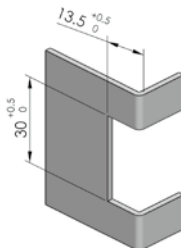
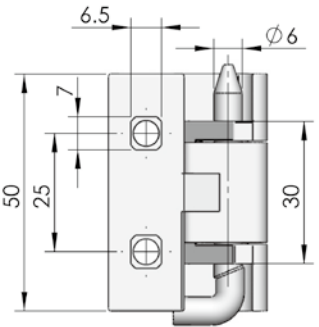
Radial load: 750N

Axial load: 850N

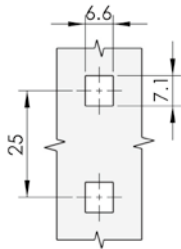
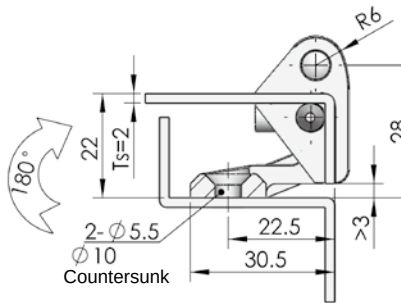


ERP

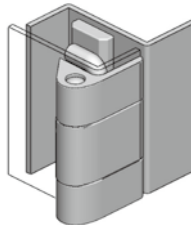
CL215F3D001



Door cutout



Frame cutout



ERP

CL217Z1A001

CL216



Main material and finish: Black powder coated ZDC hinge, nickel-plated steel pin

Application: Opening angle 180°

Performance parameter:

Maximum static load

Radial load: 570N

Axial load: 480N

CL217



Main material and finish: Black powder coated ZDC hinge, nickel-plated steel pin

Application: Opening angle 180°

Performance parameter:

Maximum static load

Radial load: 550N

Axial load: 470N

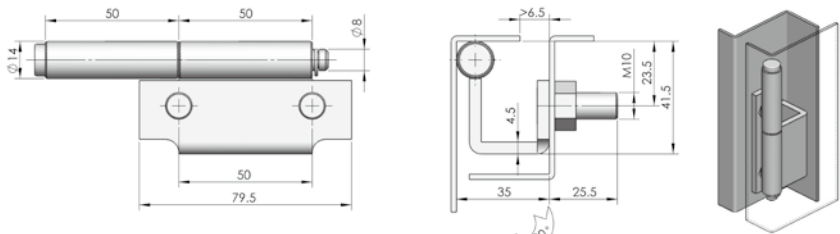
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

CL218



Main material and finish: White zinc-plated steel hinge
Application: Opening angle 90°

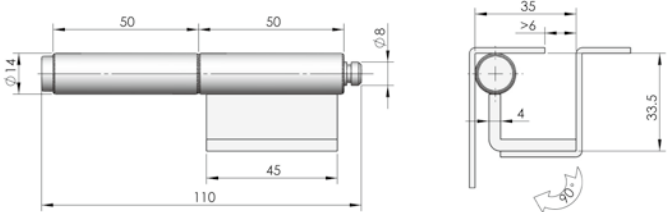
Performance parameter:
Maximum static load
Radial load: 570N
Axial load: 780N



CL218-1

ERP

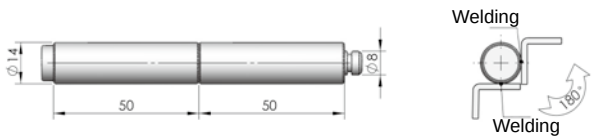
CL218F3D001



CL218-2

ERP

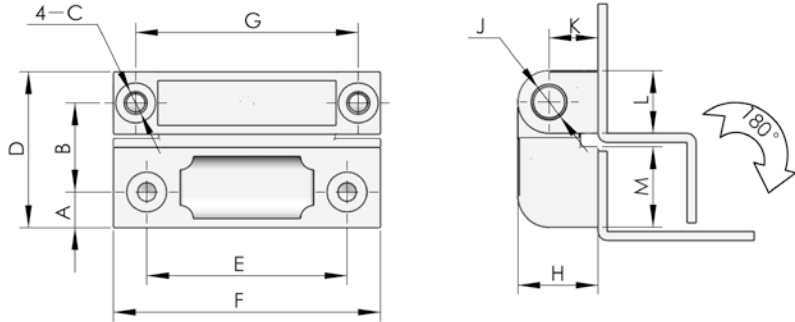
CL218F3D002



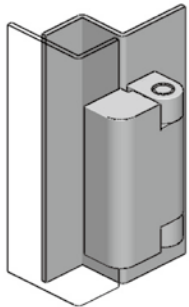
CL218-3

ERP

CL218F3D003



O-ring seals onto the screw holes will be provided if required



O-ring seals onto the screw holes will be provided if required

ERP	Specification												
	Structure	A	B	C	D	E	F	G	H	J	K	L	M
CL219Z1A001	Non-damping	8	20	M5	35	45	60	50	18	Ø8	11	14	18
CL219Z1A005	Non-damping	4	13	M4	22	22	30	22	13	Ø5	8	10	9
CL219Z1A007	Non-damping	4	18.5	M4	27.5	22	30	22	13	Ø5	8	10	14.5

CL219



Main material and finish: Black powder coated ZDC hinge, nickel-plated steel pin
Application: Opening angle 180°

Performance parameter:
Maximum static load

Model: CL219-1
Radial load: 1000N
Axial load: 1200N

Model: CL219-2
Radial load: 600N
Axial load: 460N

Model: CL219-3
Radial load: 700N
Axial load: 800N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

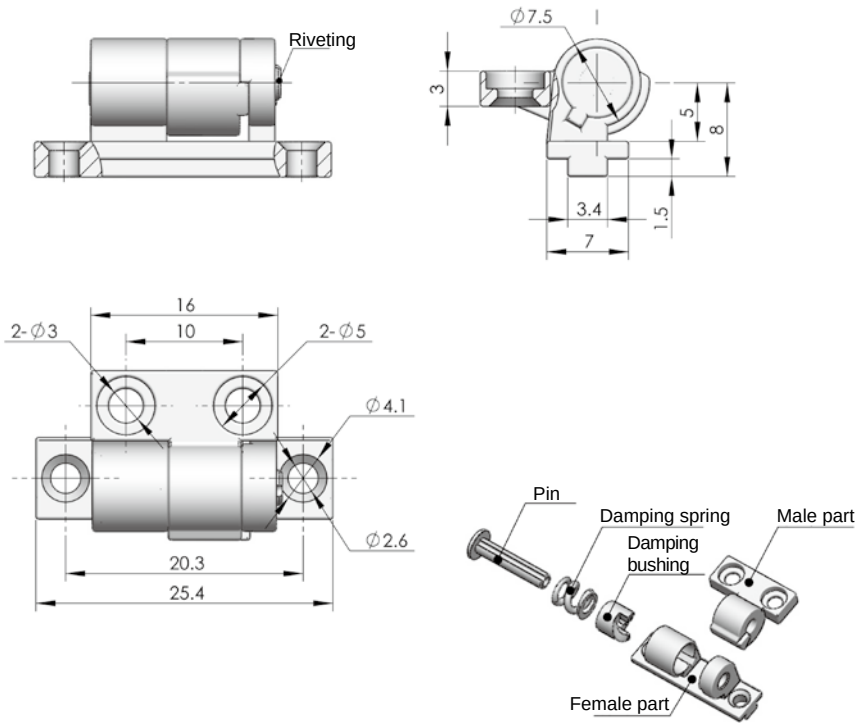
CL220



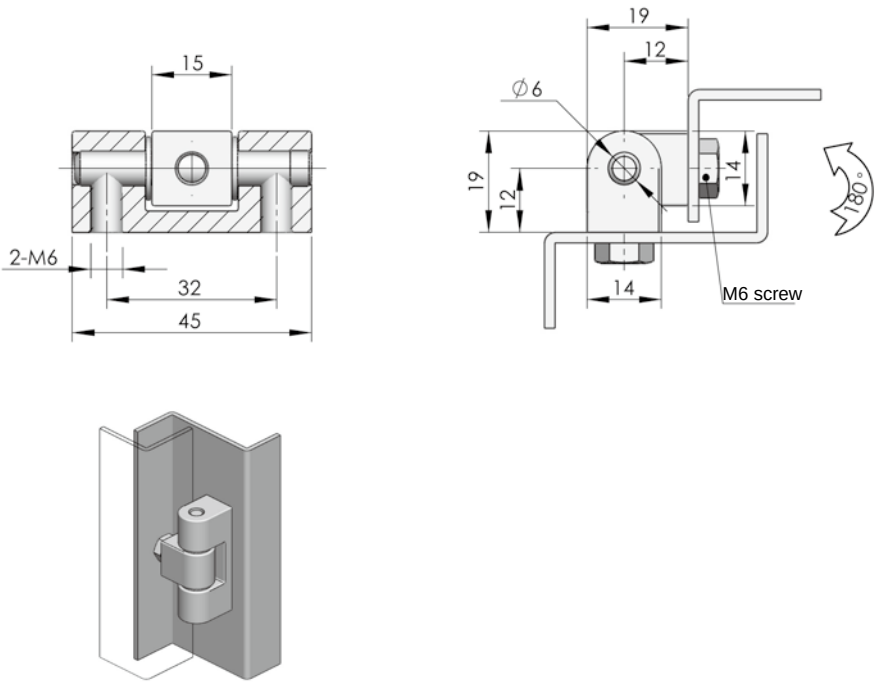
Main material and finish: Gray chrome-plated ZDC hinge, nickel-plated steel pin

Performance parameter:

Maximum static load
Radial load: 290N
Axial load: 160N



ERP	CL220Z3B001
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	Black powder coated	Pocked black powder coated	Bright chrome-plated	Nanometer painted
ERP	CL222Z1A001	CL222Z1B001	CL222Z3A001	CL222Z2B002

CL222



Main material and finish: ZDC hinge, nickel-plated steel pin, PA bushing
Application: Opening angle 180°

Performance parameter:

Maximum static load
Radial load: 1675N
Axial load: 2000N

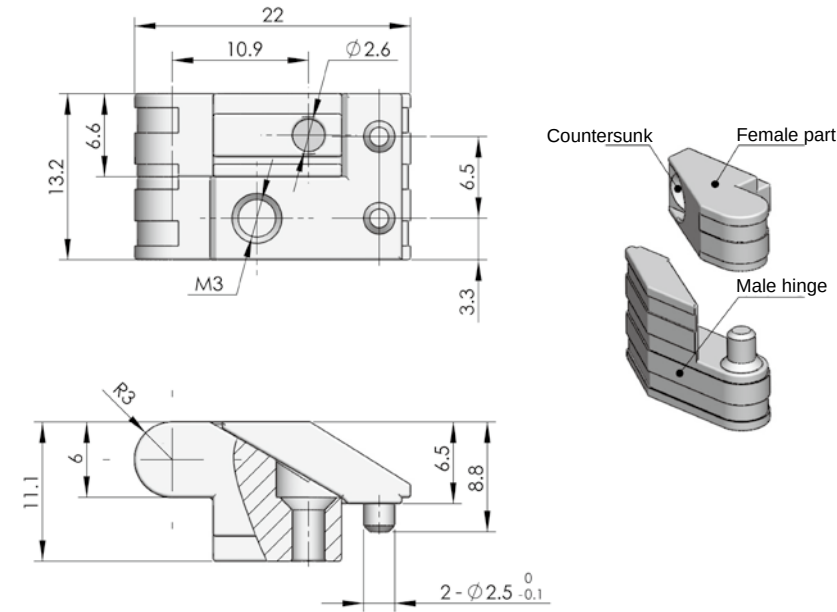
CL221



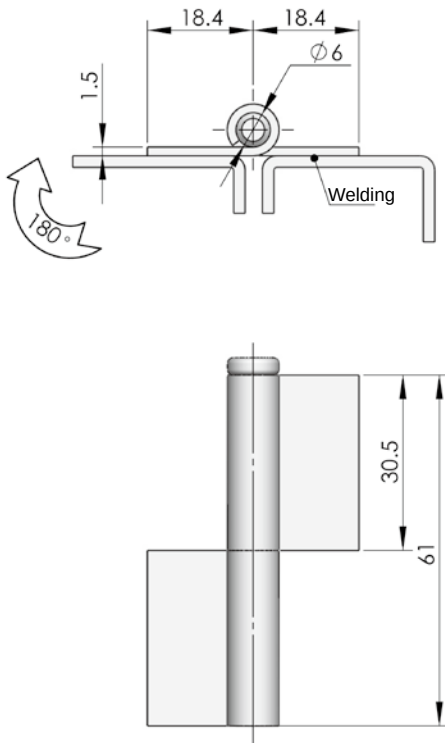
Main material and finish: Nanometer painted ZDC hinge

Performance parameter:

Maximum static load
Radial load: 55N
Axial load: 75N



ERP	Specification
CL221Z2B001	LH applicable
CL221Z2B002	RH applicable



ERP	CL223F3D001
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CL223



Main material and finish: White zinc plated steel hinge leaf
Application: Opening angle 180°

Performance parameter:

Maximum static load
Radial load: 390N
Axial load: 1260N

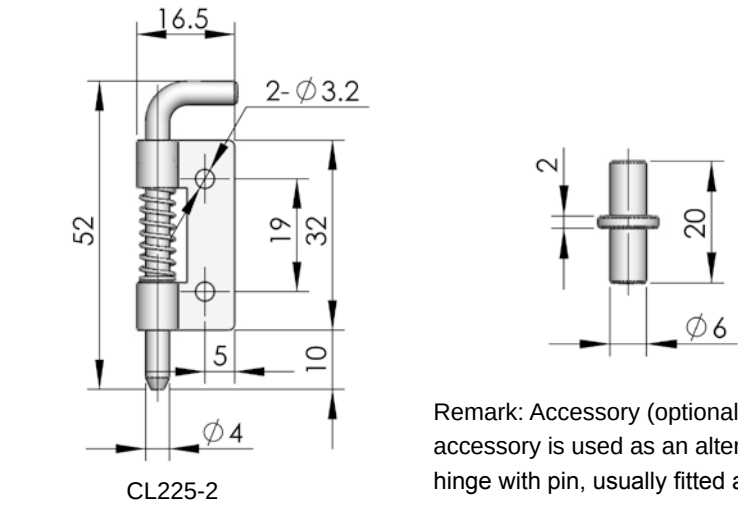
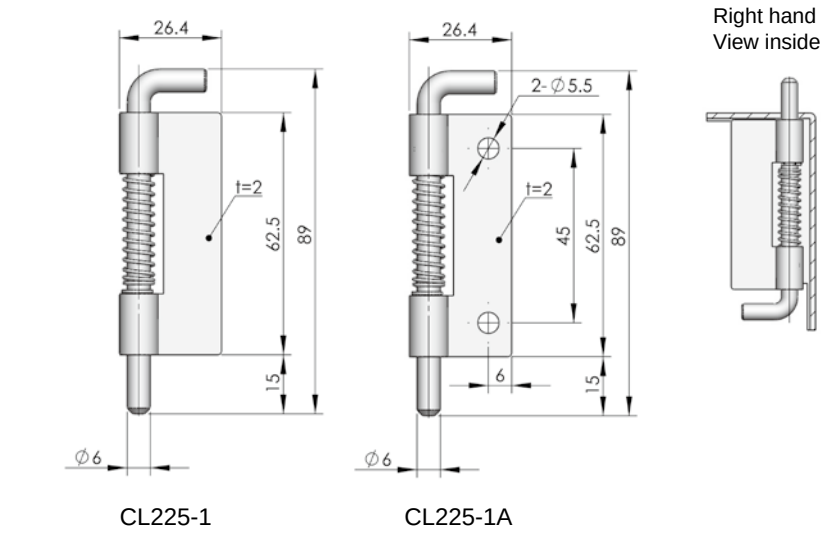


Main material and finish: White zinc plated steel hinge leaf

Performance parameter:
Maximum static load

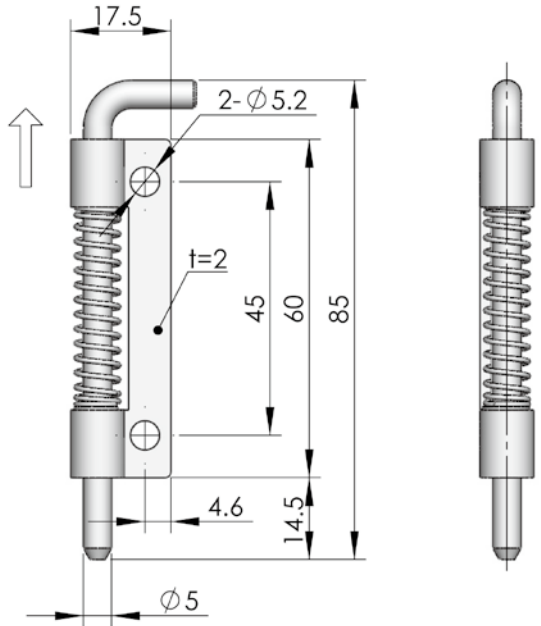
Model: CL225-1/1A
Radial load: 150N
Axial load: 200N

Model: CL225-2
Radial load: 100N
Axial load: 130N

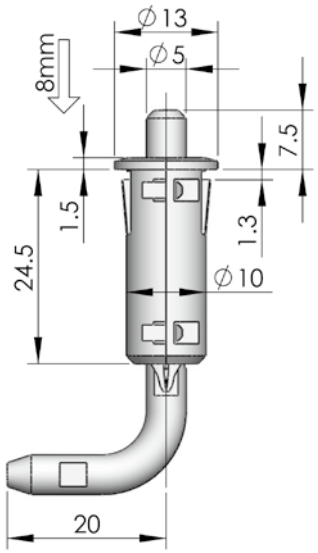


Remark: Accessory (optional) This accessory is used as an alternative to the hinge with pin, usually fitted at the bottom of the door as load-bearing fixing door

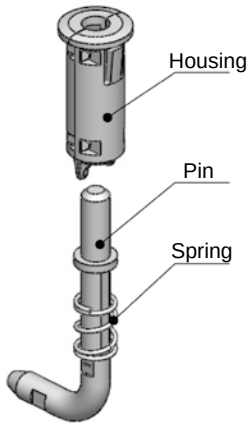
LH		RL		Specification
Model	ERP	Model	ERP	
CL225-1-Z	CL225F3D001	CL225-1-Y	CL225F3D004	Standard type: white zinc plated steel hinge. A means hinge with two mounting holes, S means grinding vibration polishing stainless steel hinge.
CL225-1-S-Z	CL225S00001	CL225-1-S-Y	CL225S00002	
CL225-1A-Z	CL225F3D008	CL225-1A-Y	CL225F3D007	
CL225-1A-S-Z	CL225S00010	CL225-1A-S-Y	CL225S00011	
CL225-2-Z	CL225F3D011	CL225-2-Y	CL225F3D012	White zinc plated steel hinge with two mounting holes



	LH	RH
ERP	CL225F3D022	CL225F3D019



Exploded drawing



ERP	CL225N00001
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Main material and finish: White zinc plated steel hinge leaf

Performance parameter:
Maximum static load
Radial load: 150N
Axial load: 250N

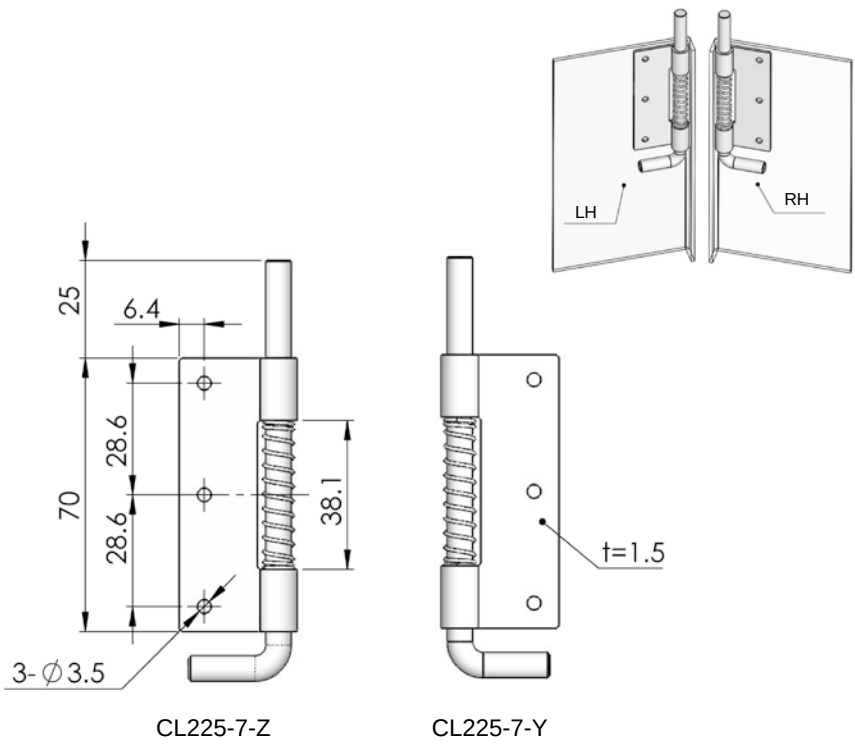


Main material and finish: Black PA hosing, white zinc-plated ZDC latch, stainless steel spring
Application: Telescopic 8mm

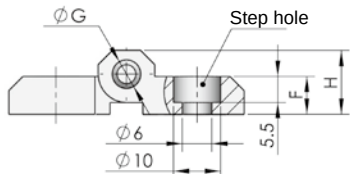
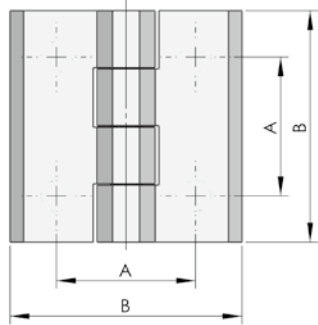
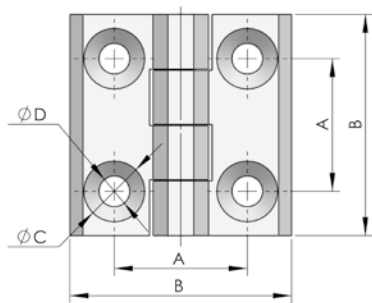
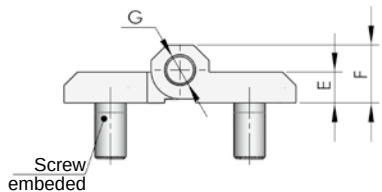
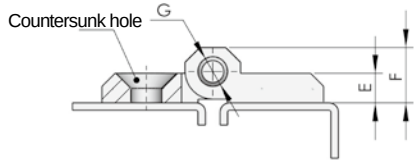


Main material and finish: White zinc plated steel hinge leaf

Performance parameter:
Maximum static load
Radial load: 525N
Axial load: 125N

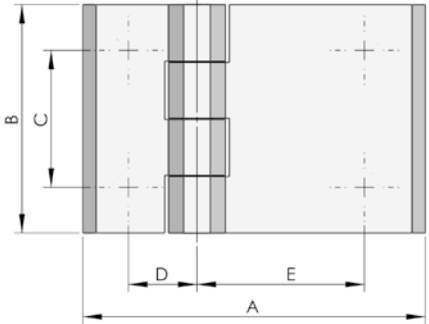
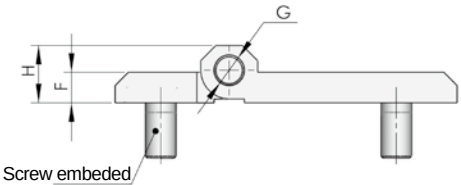


	CL225-7-Z LH	CL225-7-Y RH
ERP	CL225F3J001	CL225F3J002



Main material and finish: Black powder coated ZDC hinge,nickel-plated steel pin
Application: Opening degree 180°

Performance parameter:
Maximum static load
Radial load: 1120N
Axial load: 1200N
Embedded screw recommended tightening torque : 12N.m



Model	ERP	Specification								Remark
		A	B	C	D	E	F	G	H	
CL226-4-1	CL226Z1A019	90	60	36	18	44	8	8	15	Ø8.4 Countersunk hole,ZDC
CL226-4A-1	CL226Z1A020	90	60	36	18	44	8	8	15	M8 Screw embedded, ZDC
CL226-4-2	CL226Z1A021	63	50	30	15	28	6	6	11.5	Ø6.3 Countersunk hole, stainless steel
CL226-4A-2	CL226Z1A022	63	50	30	15	28	6	6	11.5	M6 Screw embedded, ZDC



Main material and finish: Black powder coated ZDC hinge,nickel-plated steel pin
Application: Opening angle 180°

Performance parameter:
Maximum static load

Model: CL226-1
Radial load: 1500N Axial load: 1800N
Model: CL226-2
Radial load: 1200N Axial load: 1300N
Model: CL226-3
Radial load: 1000N Axial load: 1200N
Model: CL226-2A
Radial load: 1200N Axial load: 1300N
Embedded screw recommended tightening torque : 10N.m

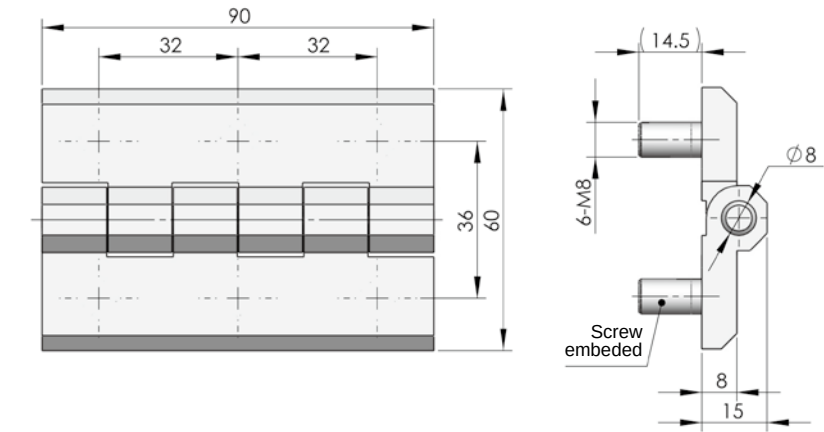
Model	ERP	Specification							Remark
		A	B	C	D	E	F	G	
CL226-1	CL226Z1A001	36	60	16.5	8.4	8	15	8	Countersunk hole,ZDC
CL226-1A	CL226Z1A006	36	60	16.5	8.4	8	15	8	Screw embedded, ZDC
CL226-1B	CL226S9C001	36	60	16.5	8.4	8	15	8	Countersunk hole,stainless steel
CL226-2	CL226Z1A009	30	50	12.5	6.3	6	11.5	6	Countersunk hole,ZDC
CL226-2A	CL226Z1A010	30	50	Refer to detailed drawing	6	11.5	6	6	Screw embedded, ZDC
CL226-2C	CL226Z1A011	30	50	Refer to detailed drawing	6	11.5	6	6	Step hole,ZDC
CL226-2S	CL226N00001	30	50	12.5	6.3	6	11.5	6	Countersunk hole,PA
CL226-2B	CL226S4B001	30	50	12.5	6.3	6	11.5	6	Countersunk hole,stainless steel
CL226-3	CL226Z1A015	25	40	10.2	5.3	5	9	4	Countersunk hole,ZDC
CL226-3A	CL226Z1A017	25	40	10.2	5.3	5	9	4	Screw embedded, ZDC



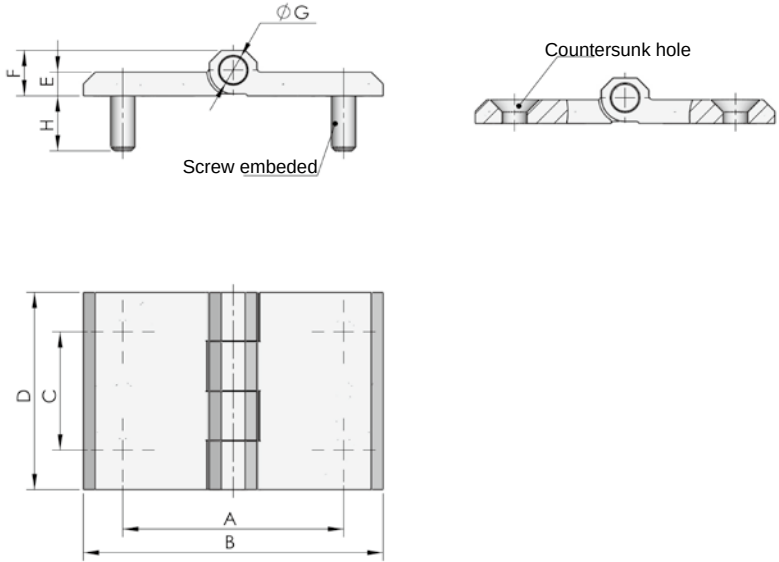
Main material and finish: Black powder coated ZDC hinge, nickel-plated steel pin
Application: Opening angle 180°

Performance parameter:

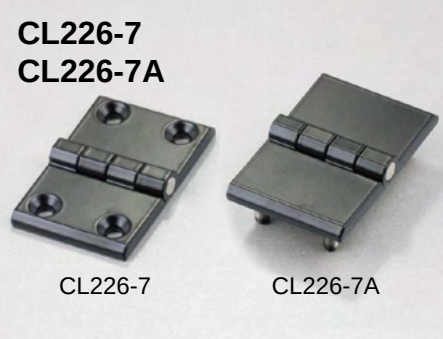
Maximum static load
Radial load: 1120N
Axial load: 1200N
Embedded screw recommended tightening torque : 12N.m



	CL226-5A-Z LH	CL226-5A-Y RH
ERP	CL226Z1A024	CL226Z1A025



Model	ERP	Specification								Remark
		A	B	C	D	E	F	G	H	
CL226-7-1	CL226Z1A028	56	76	30	50	6	11.5	6		Ø6.3 Countersunk hole, ZDC
CL226-7A-1	CL226Z1A029	56	76	30	50	6	11.5	6	12.5	M6 Screw embedded, ZDC
CL226-7-2	CL226Z1A034	88	120	36	60	8	15	8		Ø6.8 Countersunk hole, ZDC
CL226-7A-2	CL226Z1A030	88	120	36	60	8	15	8	16.5	M8 Screw embedded, ZDC



Main material and finish: Black powder coated ZDC hinge, nickel-plated steel pin
Application: Opening angle 180°

Performance parameter:

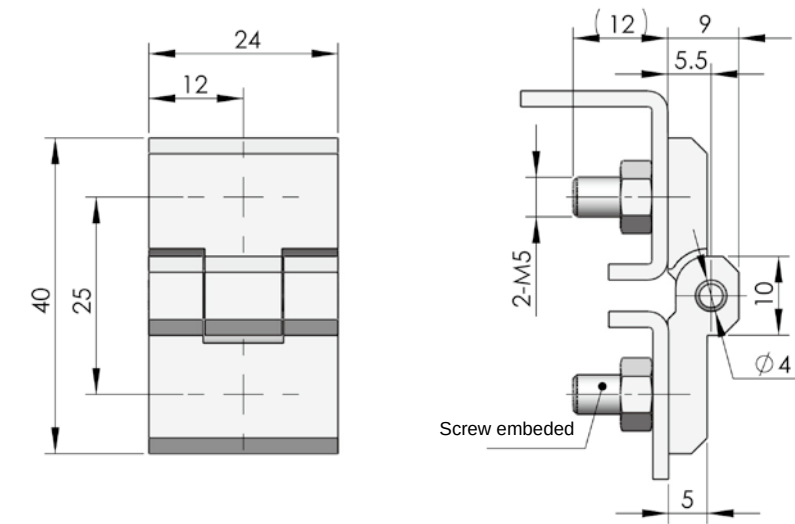
Maximum static load
Radial load: 1120N
Axial load: 1200N
Embedded screw recommended tightening torque : 12N.m



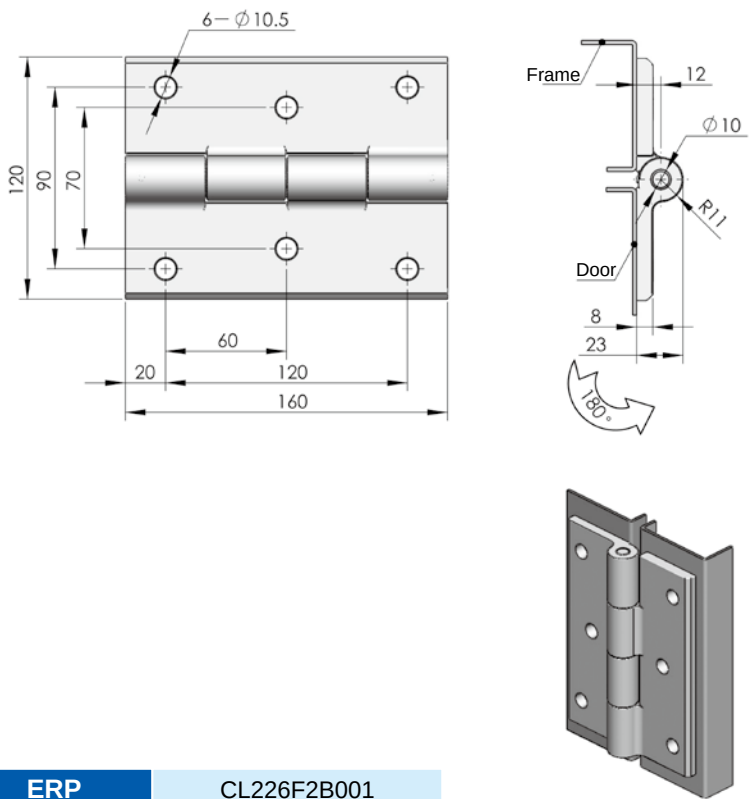
Main material and finish: Black powder coated ZDC hinge, nickel-plated steel pin
Application: Opening angle 180°

Performance parameter:

Maximum static load
Radial load: 520N
Axial load: 210N
Embedded screw recommended tightening torque : 9N.m



ERP	CL226Z1A026
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ERP	CL226F2B001
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Main material and finish: Nanometer painted steel hinge leaf, shaft
Application: Opening angle 180°

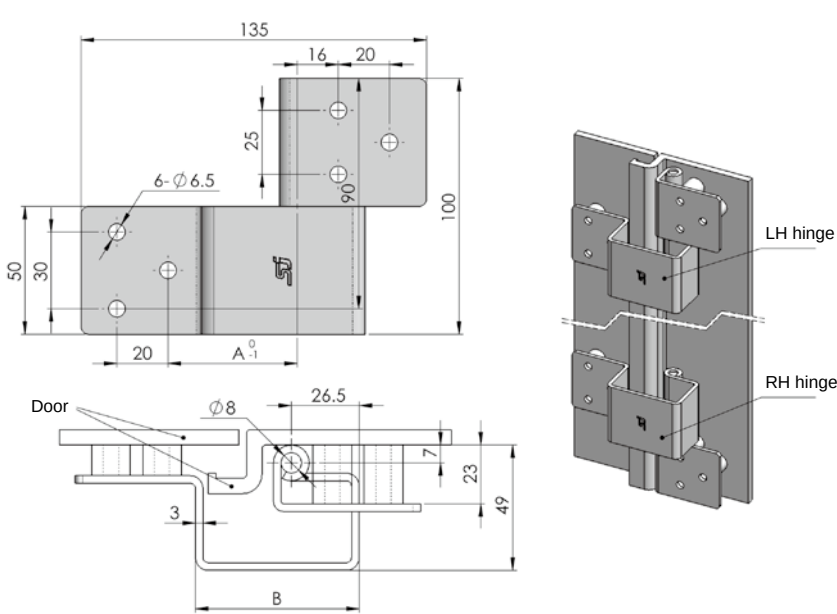
Performance parameter:

Maximum static load
Radial load: 3000N
Axial load: 3000N



Main material and finish:Electrolysis stainless steel hinge
Application: Opening angle 90°

Performance parameter:
Maximum static load
Radial load: 425N
Axial load: 225N



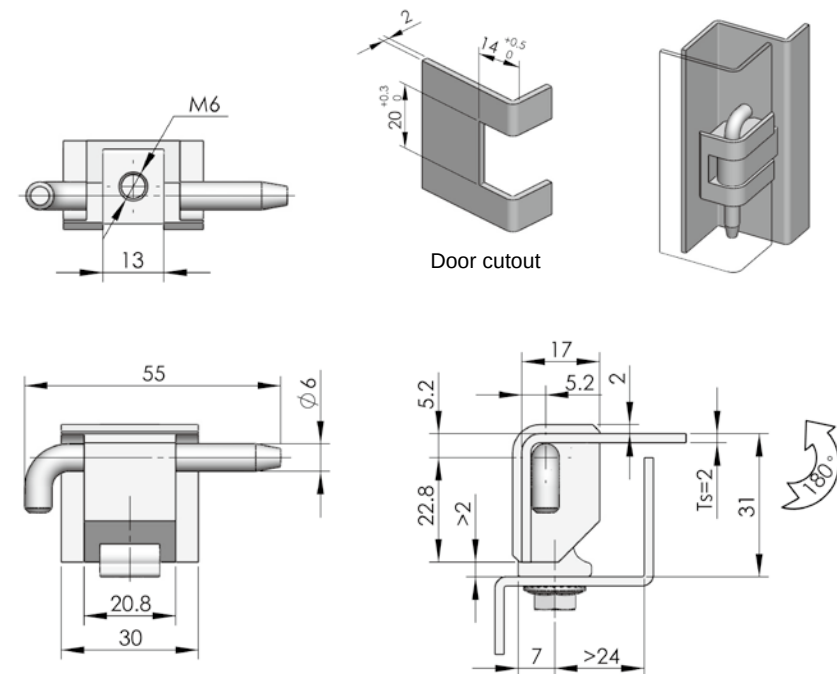
Model	ERP	Specification	
		A	B
CL229-2A-Z	CL229S9C001	50.5	64
CL229-2A-Y	CL229S9C003	50.5	64
CL229-2B-Z	CL229S9C002	56.5	68
CL229-2B-Y	CL229S9C004	56.5	68



CL230-3

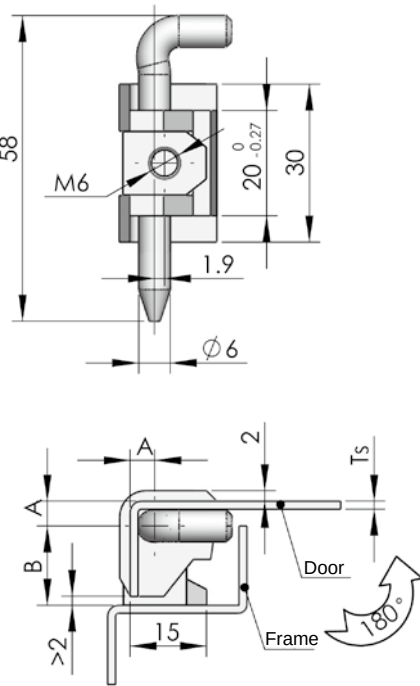
Main material and finish: Black powder coated ZDC hinge, nickel-plated steel pin
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 940N
Axial load: 720N

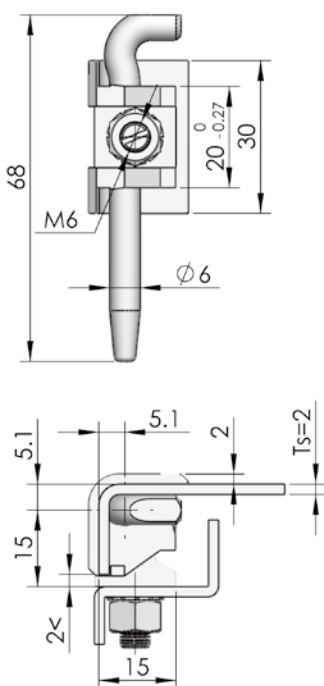


Remark: Nylon pin optional, details refer to CL230

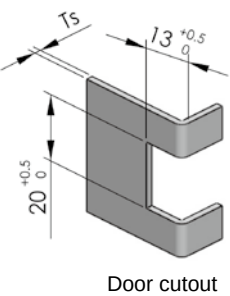
ERP	CL230Z1A026
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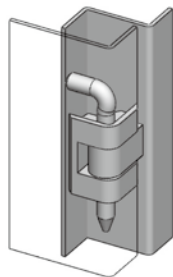
CL230



CL230-4



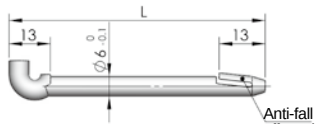
Door cutout



Door cutout

ERP	CL230S4B001
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Nylon pin (Optional)



Part No.	L
PN001	57
PN002	78

Model	ERP	Specification		
		Ts	A	B
CL230-1	CL230Z1A001	Ts=1.5	4.6	15
CL230-2	CL230Z1A013	Ts=2	5.1	15
CL230-1A	CL230Z1A004	Ts=1.5	4.6	17
CL230-2A	CL230Z1A016	Ts=2	5.1	17
CL230-1B	CL230Z1A007	Ts=1.5	4.6	19
CL230-2B	CL230Z1A019	Ts=2	5.1	19



CL230

Main material and finish: Black powder coated ZDC hinge,nickel-plated steel pin
Application: Opening angle 180°

Performance parameter:
Maximum static load
Model: CL230-1
Radial load: 940N **Axial load:** 720N



CL230-4

Main material and finish: Wire-drawing polishing stainless steel hinge
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 900N
Axial load: 700N

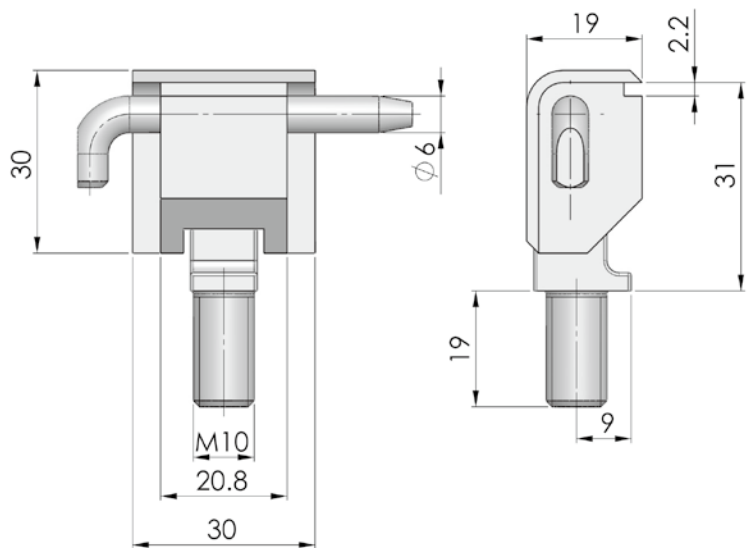
CL230-3-1D



Main material and finish: Bright chrome plated ZDC hinge and steel shaft
Application: Opening angle 180°

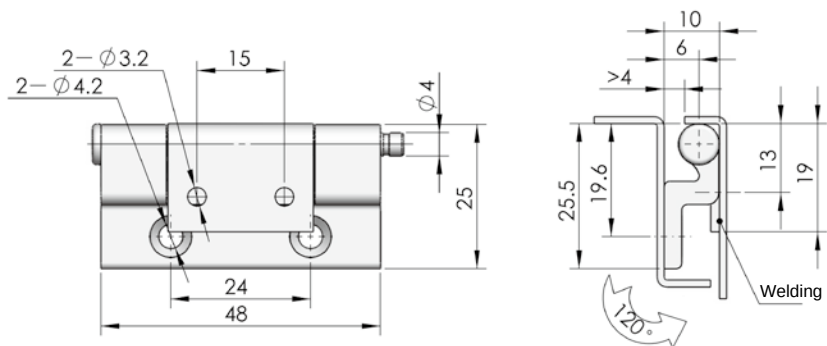
Performance parameter:
Maximum static load
Radial load: 940N
Axial load: 720N

CL232



ERP

CL230Z3A019



ERP

CL232Z3H001

CL232



Main material and finish: Sand-spraying and bright chrome-plated ZDC female hinge, white zinc-plated steel male hinge, nickel plated steel pin
Application: Opening angle 120°

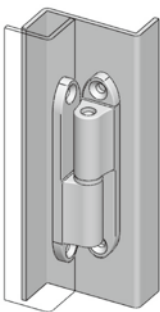
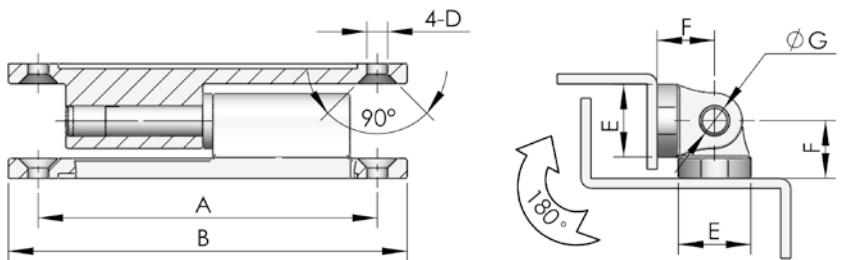
Performance parameter:
Maximum static load
Radial load: 420N
Axial load: 1050N

CL231

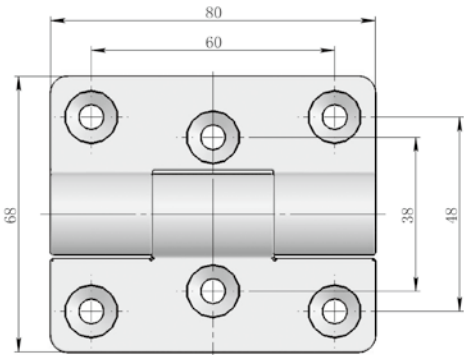


Main material and finish: Bright chrome plated ZDC hinge, nickel-plated steel pin, brass gasket
Application: Opening angle 180°

Performance parameter:
Maximum static load
Model: CL231-1
Radial load: 330N **Axial load:** 760N
Model: CL231-2
Radial load: 575N **Axial load:** 125N



Model	ERP	Specification						
		A	B	C	D	E	F	G
CL231-1	CL231Z3A001	68	80	Ø8	Ø4.2	14.5	11.5	Ø6
CL231-2	CL231Z3A004	48	60	Ø9.4	Ø4.5	13	9.5	Ø5



ERP

CL233S9C001

CL233



Main material and finish: Electrolysis or polishing stainless steel hinge
Application: Opening angle 180°

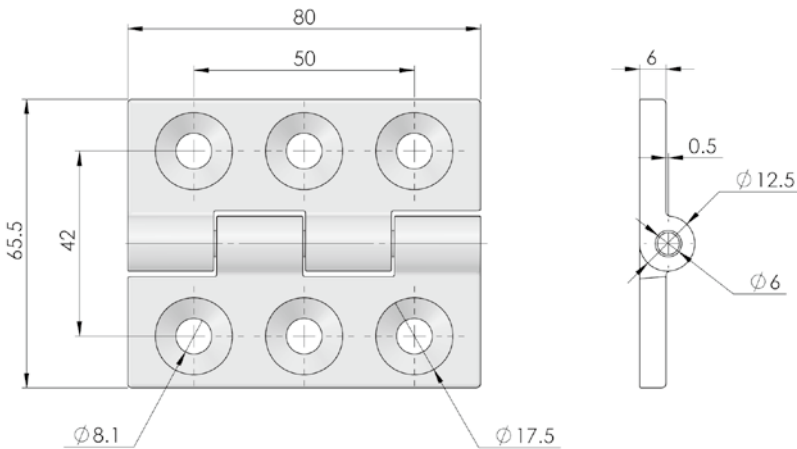
Performance parameter:
Maximum static load
Radial load: 3000N
Axial load: 3000N

CL233-2



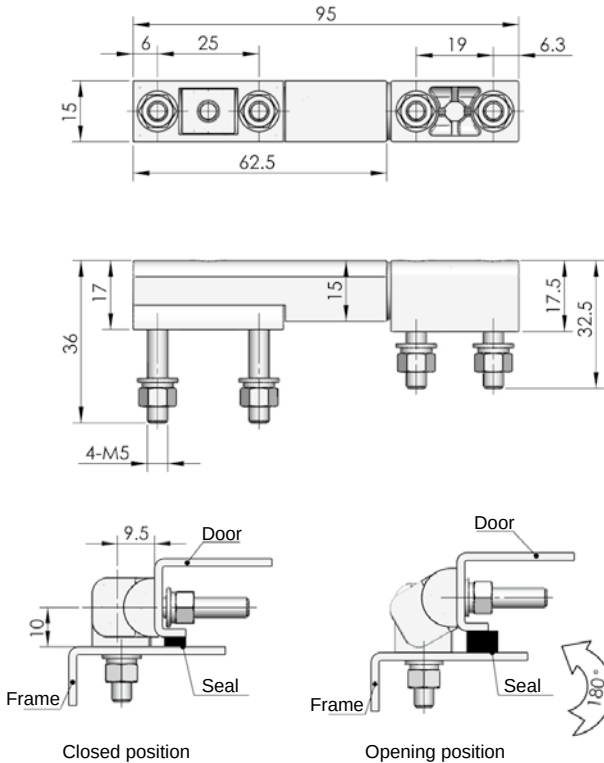
Main material and finish: Black powder coated ZDC hinge, steel pin
Application: Opening angle 120°

Performance parameter:
Maximum static load
Radial load: 1000N
Axial load: 1200N



ERP

CL233Z1A001



ERP

CL235Z1B001

CL235



Main material and finish: Pocked black powder coated ZDC hinge, stainless steel screw
Application: Opening angle 180°

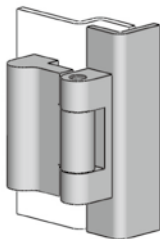
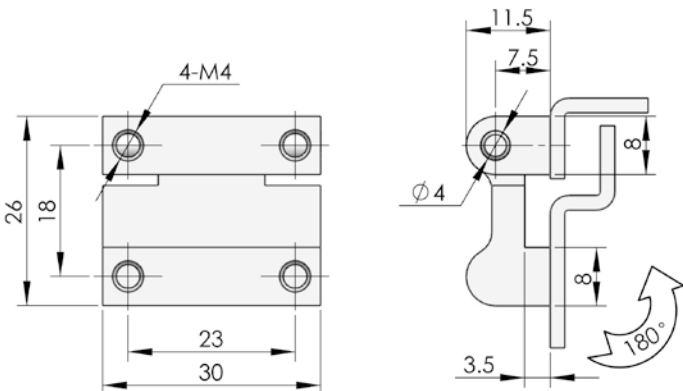
Performance parameter:
Maximum static load
Radial load: 165N
Axial load: 980N

CL234



Main material and finish: Black powder coated ZDC hinge, nickel-plated steel pin
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 1150N
Axial load: 700N



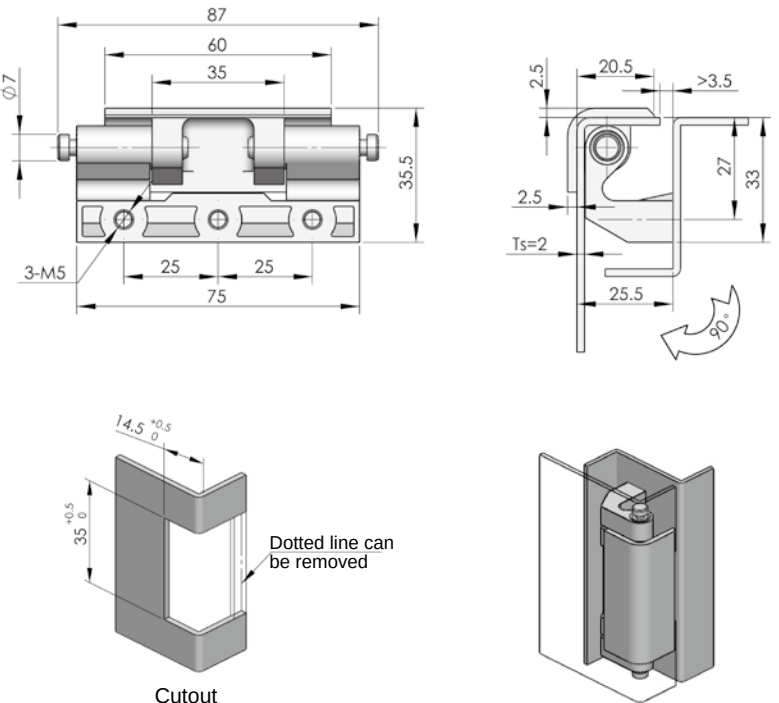
ERP

Black powder coated

CL234Z1A001

Nanometer painted

CL234Z2B001



ERP

Black painted

CL236Z2A001

Nanometer painted

CL236Z2B001

CL236



Main material and finish: Black painted ZDC hinge, white zinc-plated steel pin
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 1250N
Axial load: 600N

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

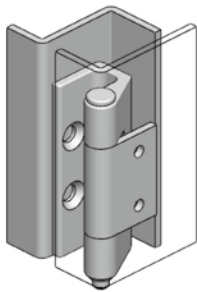
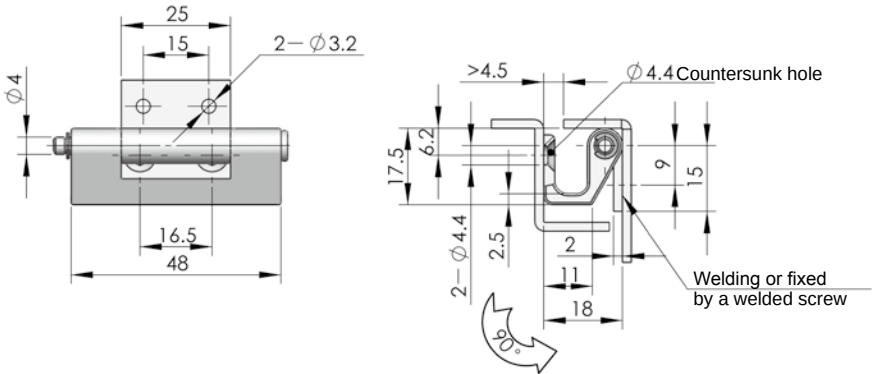
Seal gasket

CL237

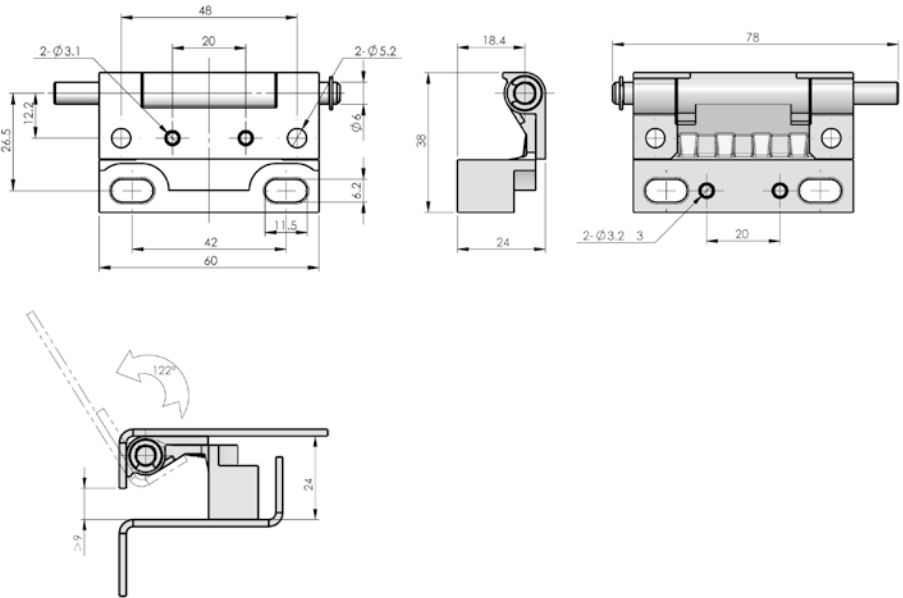


Main material and finish: Sand-spraying and nickel-plated ZDC female hinge, white zinc-plated steel male hinge, nickel plated steel pin
Application: Opening angle 90°

Performance parameter:
Maximum static load
Radial load: 1295N
Axial load: 290N



ERP	Sand-spraying and bright chrome-plated	Sand-spraying and nickel-plated
ERP	CL237Z3H001	CL237Z3I001



ERP	CL237Z00001
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CL237-3



Main material and finish: ZDC hinge and stainless steel shaft
Application: Opening angle 122°

Performance parameter:
Maximum static load
Radial load: 560N
Axial load: 840N

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

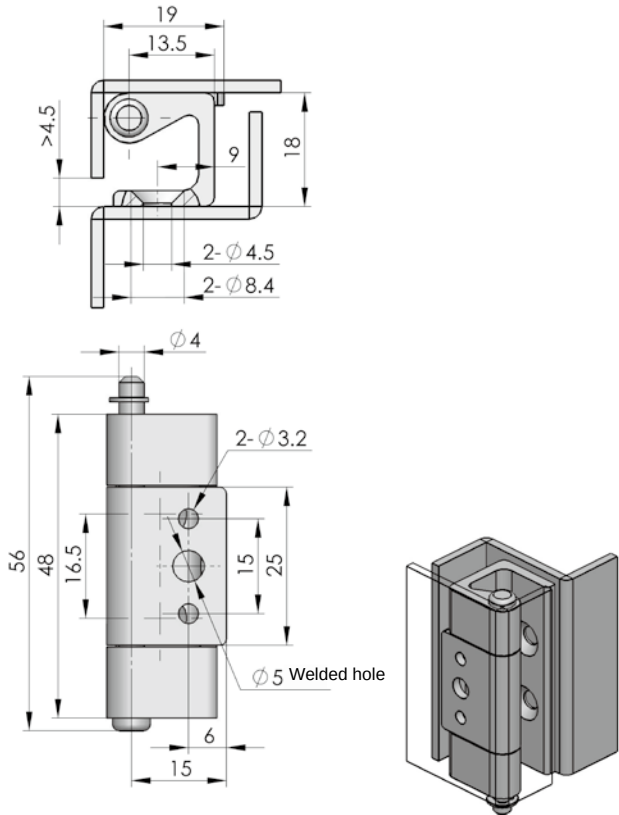
Seal gasket

CL237-2

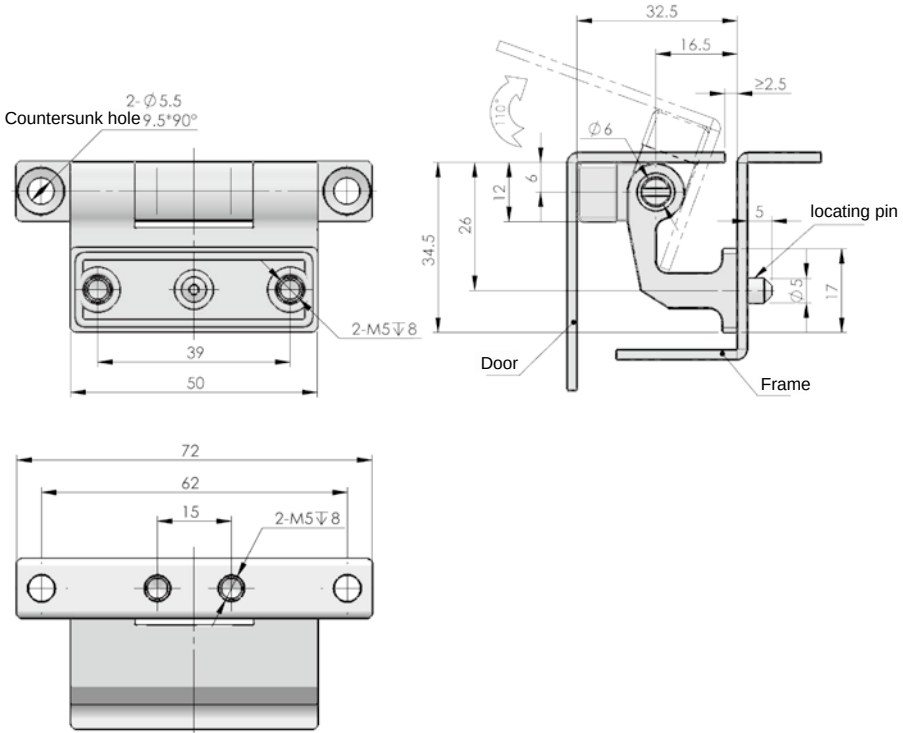


Main material and finish: Grieg painted (high salt mist resistant) female hinge, electrolysis male hinge and 316 stainless steel shaft
Application: Maximum opening angle 100°
Remark: Female hinge fixed with M4 screw (not provide), male hinge fixed with riveting or welding of cabinet door

Performance parameter:
Maximum static load
Radial load: 750N
Axial load: 365N



ERP	CL237S2G001
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ERP	CL237Z1A001
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CL237-4



Main material and finish: Black powder coated ZDC hinge leaf, stainless steel pin and silicone washer
Application: Opening angle 110°

Performance parameter:
Maximum static load
Radial load: 1180N
Axial load: 1540N

Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

CL238



CL238-1



CL238-2

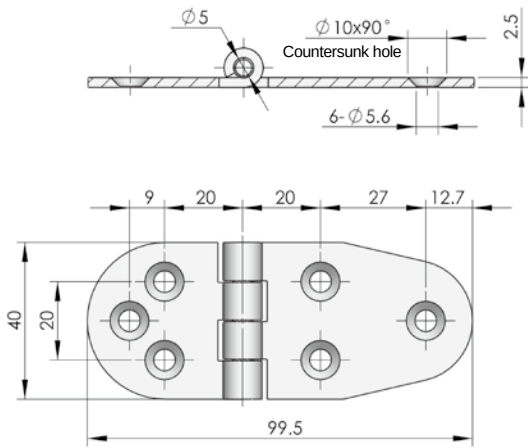


CL238-3



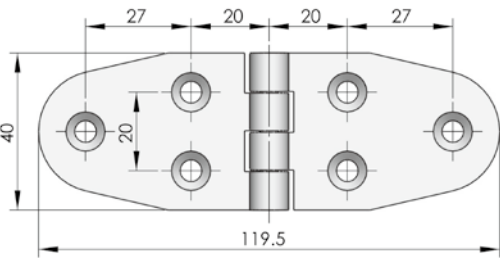
Main material and finish: Electrolysis stainless steel hinge
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 520N
Axial load: 600N



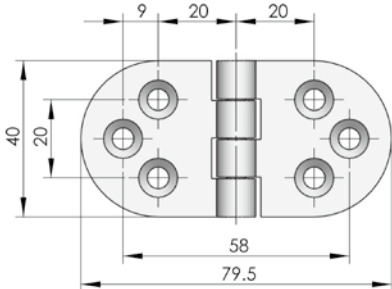
ERP

CL238S9C001



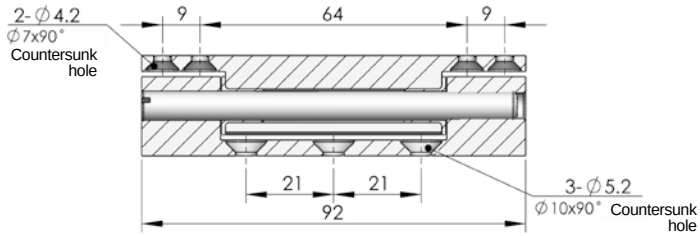
ERP

CL238S9C002

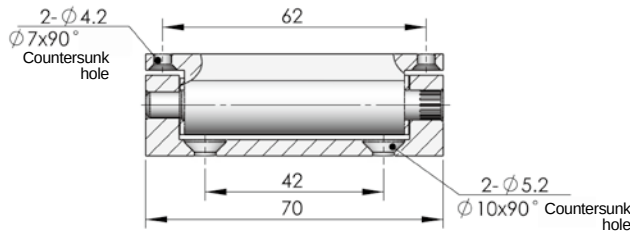
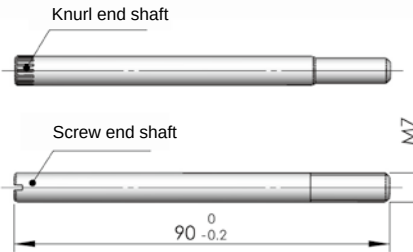


ERP

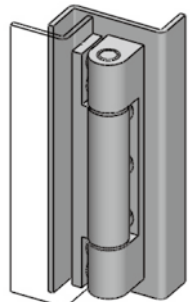
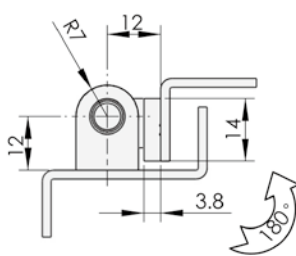
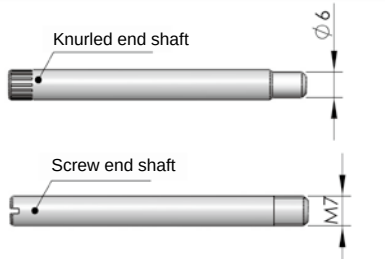
CL238S9C003



CL240-1



CL240-2



Model	ERP	Specification
CL240-1	CL240A9A001	With knurl end shaft
CL240-1D	CL240A9A002	With screw end shaft
CL240-2	CL240A9A003	With knurl end shaft
CL240-2D	CL240A9A004	With screw end shaft

CL240-1
CL240-2



Main material and finish: Oxidation aluminum alloy hinge, stainless steel shaft, nickel-plated steel pin
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 500N
Axial load: 600N

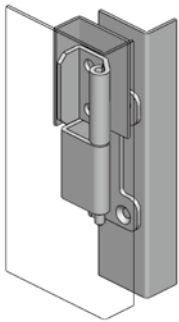
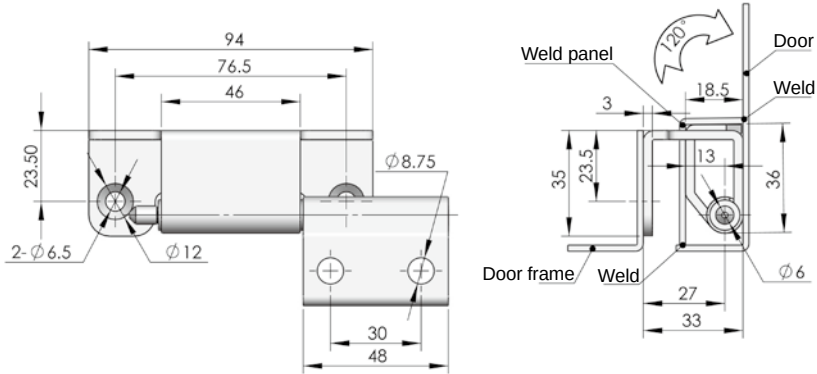
Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

CL244



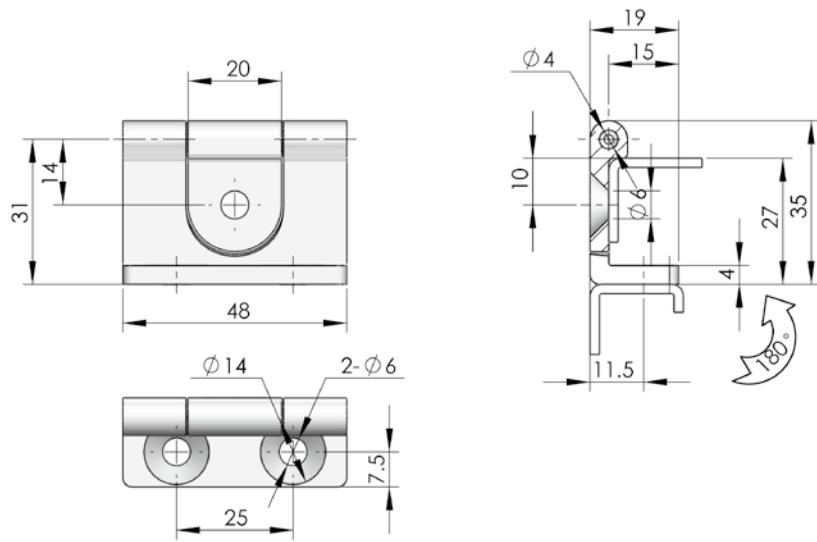
Main material and finish: White zinc plated steel hinge and pin
Application: Opening angle 120°

Performance parameter:
Maximum static load
Radial load: 270N
Axial load: 305N



ERP

CL244F3D001



ERP

CL247Z1A001

CL247



Main material and finish: Black powder coated ZDC hinge, white zinc-plated steel pin
Application: Opening angle 180°

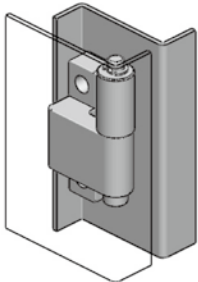
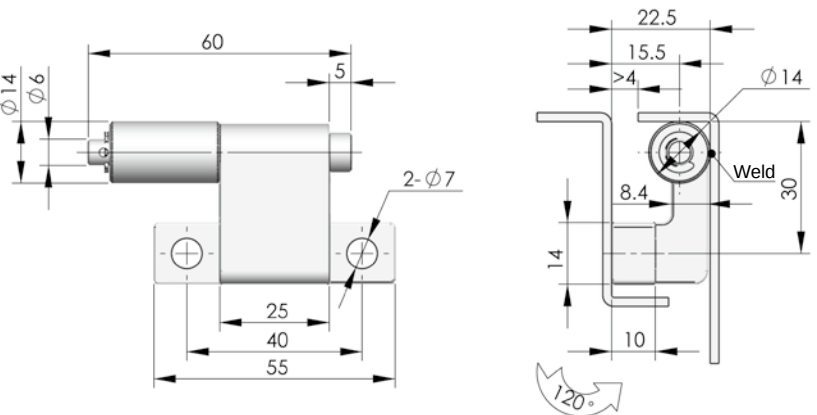
Performance parameter:
Maximum static load
Radial load: 780N
Axial load: 490N

CL246



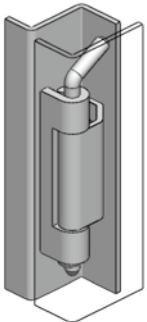
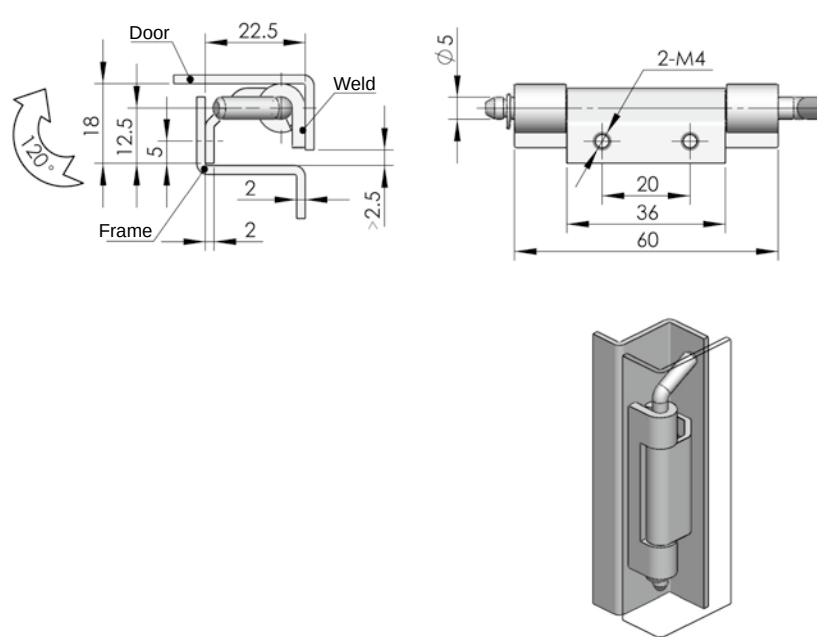
Main material and finish: Sand-spraying and bright chrome-plated ZDC hinge, white zinc-plated steel pin
Application: Opening angle 120°

Performance parameter:
Maximum static load
Radial load: 1000N
Axial load: 820N



ERP

CL246Z3H001



Model

ERP

Specification

CL248-1

CL248F3D001

White zinc plated steel

CL248-S

CL248S9C001

Electrolysis SUS316 hinge

CL248



Main material and finish: White zinc plated steel and pin
Application: Opening angle 120°

Performance parameter:
Maximum static load
Radial load: 280N
Axial load: 250N



CL249

Main material and finish: Steel or stainless steel hinge

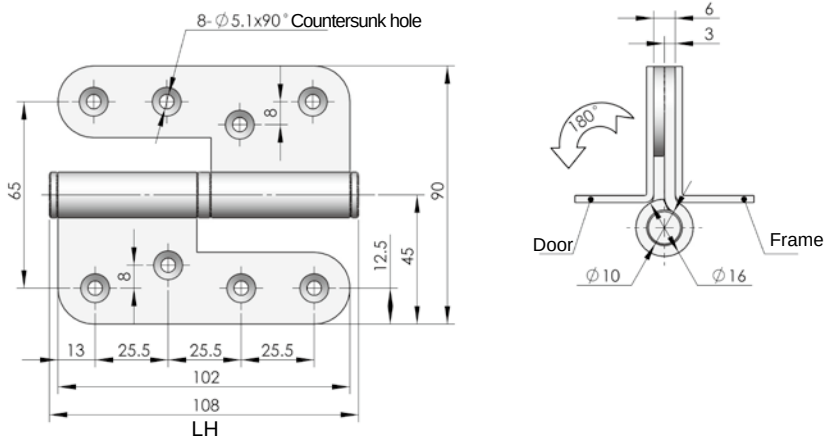
Application: Opening angle 180°

Performance parameter:

Maximum static load

Radial load: 1200N

Axial load: 1300N



Specification	LH		RH	
	Model	ERP	Model	ERP
White zinc-plated steel hinge	CL249-1-Z	CL249F3D001	CL249-1-Y	CL249F3D002
Wiredrawing polishing stainless steel hinge	CL249-1B-Z	CL249S4B004	CL249-1B-Y	CL249S4B003



CL250-1
CL250-2

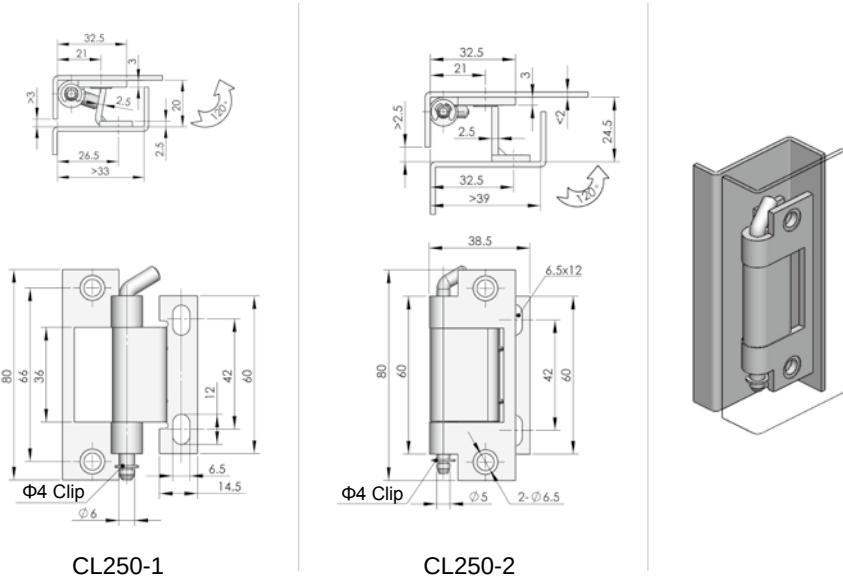
Main material and finish: White zinc plated steel hinge and pin

Performance parameter:

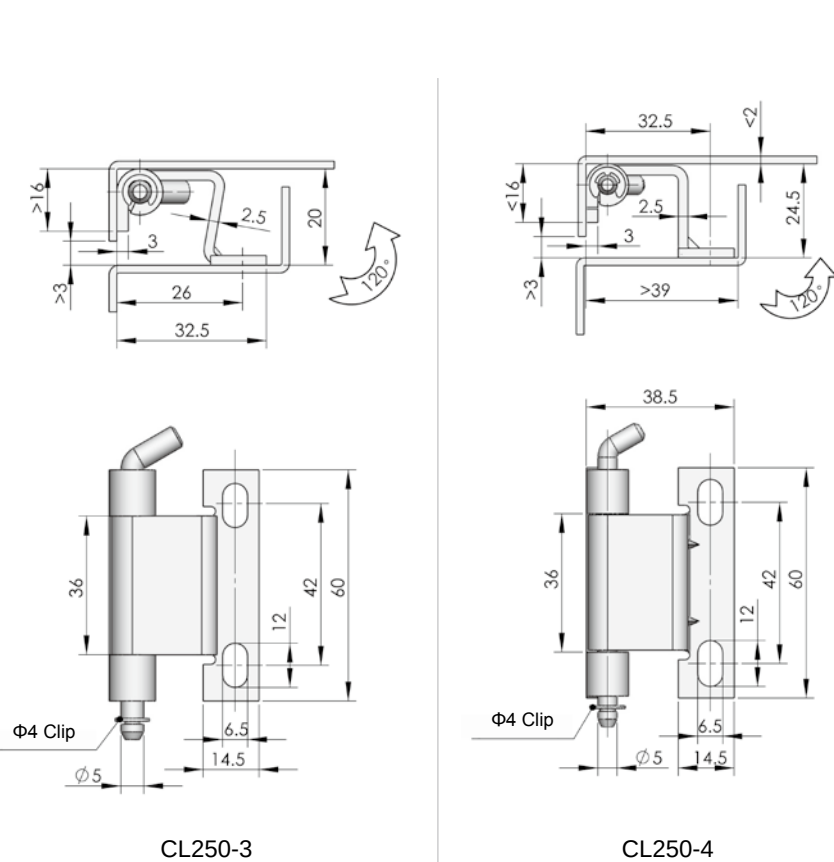
Maximum static load

Radial load: 310N

Axial load: 480N



Model	ERP	Specification
CL250-1	CL250F3D001	White zinc plated steel
CL250-1B	CL250S00004	Grinding vibration polishing stainless steel
CL250-2	CL250F3D002	White zinc plated steel
CL250-2B	CL250S00003	Grinding vibration polishing stainless steel



Model	ERP	Specification
CL250-3	CL250F3D003	White zinc plated steel
CL250-3B	CL250S00007	Grinding vibration polishing stainless steel
CL250-4	CL250F3D004	White zinc plated steel
CL250-4B	CL250S00001	Grinding vibration polishing stainless steel



CL250-3
CL250-4

Main material and finish: White zinc plated steel hinge and pin

Application: Opening angle 120°

Performance parameter:

Maximum static load

Radial load: 350N

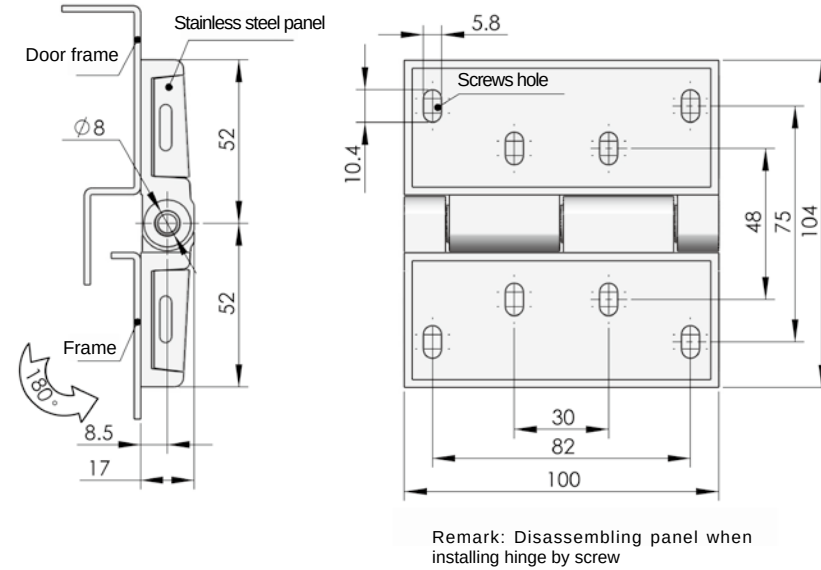
Axial load: 778N

CL251



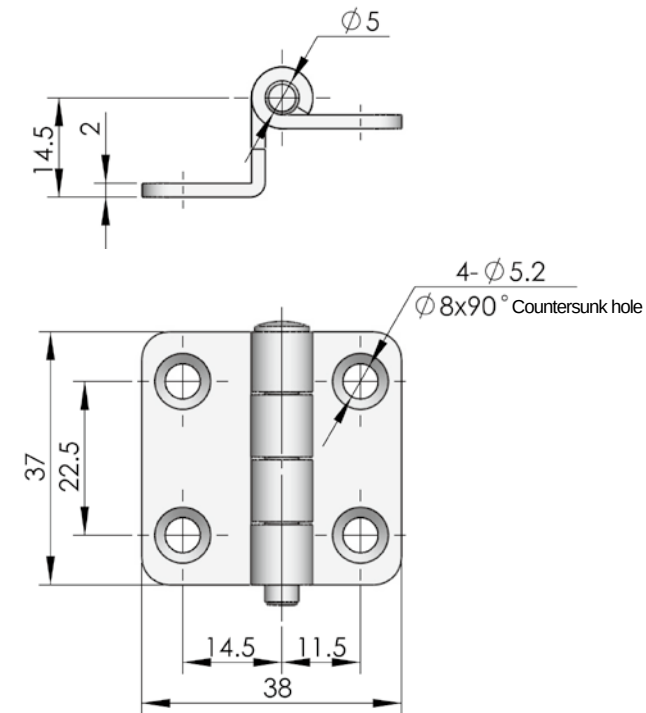
Main material and finish: Sand-spraying and bright chrome-plated ZDC hinge, stainless shaft pin and cover
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 1200N
Axial load: 910N



ERP

CL251Z3H001



ERP

CL252S00001

CL252



INOX
AISI
3..

Main material and finish: Stainless steel hinge
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 520N
Axial load: 800N

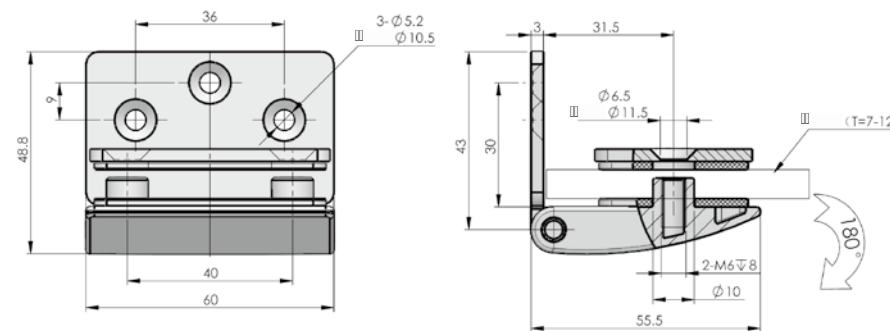
CL251-3



INOX
AISI
3..

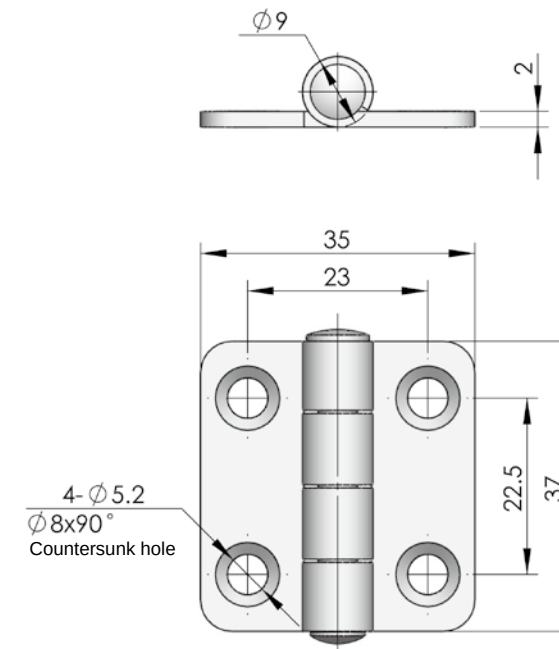
Main material and finish: Bright chrome plated ZDC exposed hinge Wire-drawing polishing
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 1000N
Axial load: 1500N



ERP

CL251S4B001



ERP

CL253S4A001

CL253-1



INOX
AISI
3..

Main material and finish: Mirror polishing stainless steel hinge
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 745N
Axial load: 1090N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

CL253-2
CL253-3



Main material and finish: Mirror polishing stainless steel hinge
Application: Opening angle 180°

Performance parameter:

Maximum static load

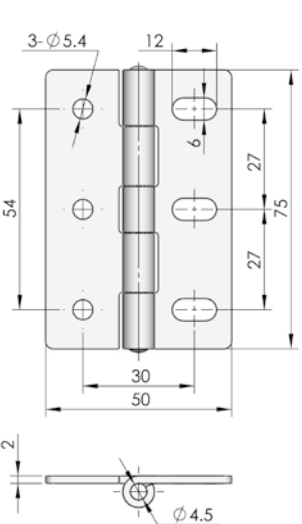
Model: CL253-2

Radial load: 1000N **Axial load:** 1200N

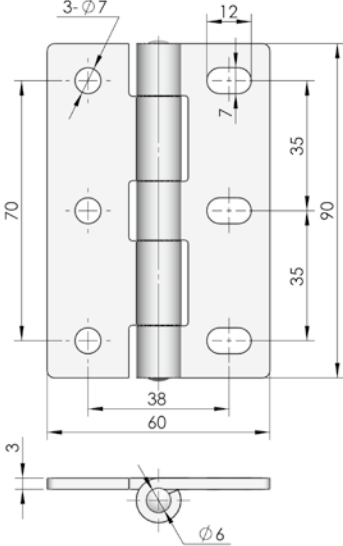
Model: CL253-3

Radial load: 1500N **Axial load:** 1800N

CL253-2



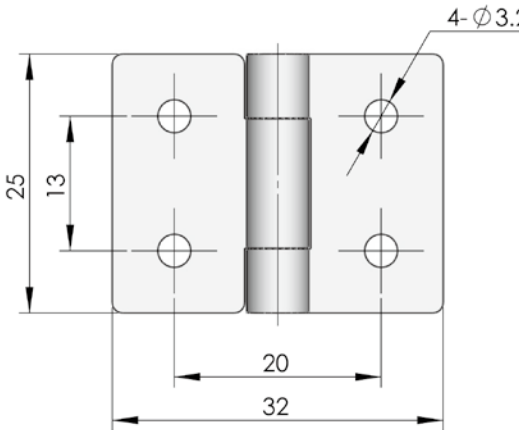
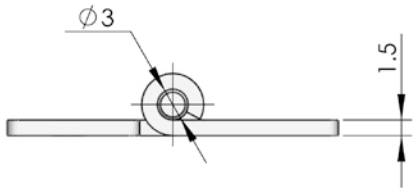
CL253-3



Model	ERP	Specification
CL253-2	CL253S4A002	Stainless steel
CL253-2-A	CL253F3D012	Carbon steel
CL253-3	CL253S4A003	Stainless steel

ERP

CL253S4A004



ERP

CL253S4A011

CL253-4A



Main material and finish: Mirror polishing stainless steel hinge
Application: Opening angle 180°

Performance parameter:

Maximum static load

Radial load: 380N

Axial load: 810N

CL253-4



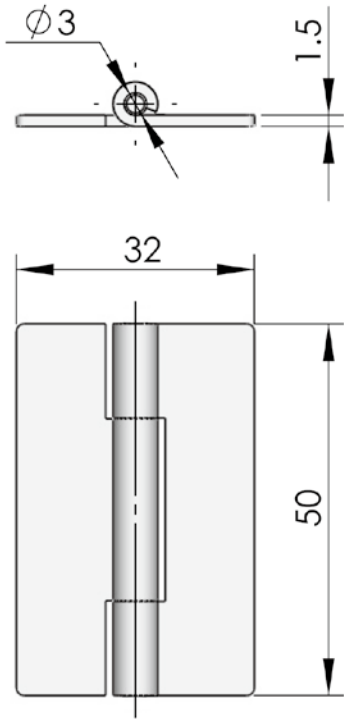
Main material and finish: Mirror polishing stainless steel hinge
Application: Opening angle 180°

Performance parameter:

Maximum static load

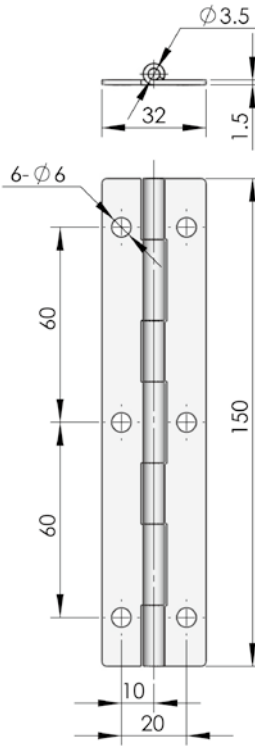
Radial load: 516N

Axial load: 665N



ERP

CL253S4A004



ERP

CL253F3D001

CL253-5



Main material and finish: White zinc-plated steel hinge
Application: Opening angle 180°

Performance parameter:

Maximum static load

Radial load: 840N

Axial load: 1380N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

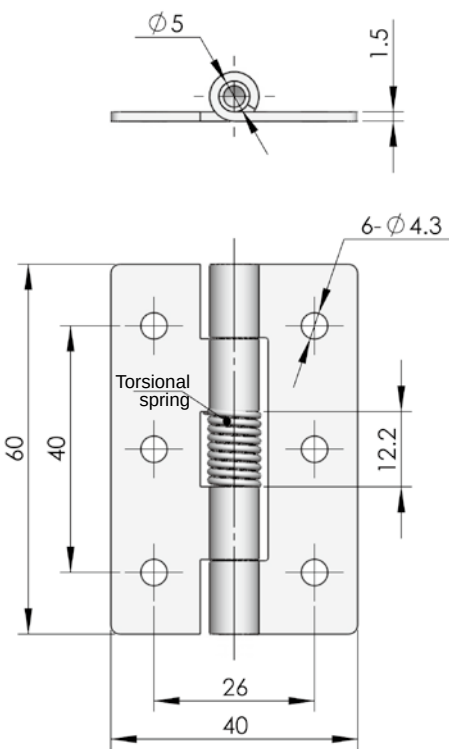
CL253-6



INOX
AISI
3..

Main material and finish: Mirror polishing
stainless steel hinge Magnetic Shock
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 550N
Axial load: 650N



ERP	CL253S4A005
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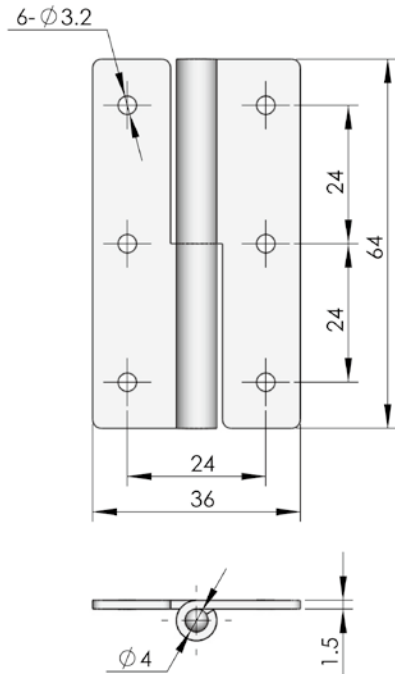
CL253-7



INOX
AISI
3..

Main material and finish: Mirror polishing
stainless steel hinge
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 590N
Axial load: 635N



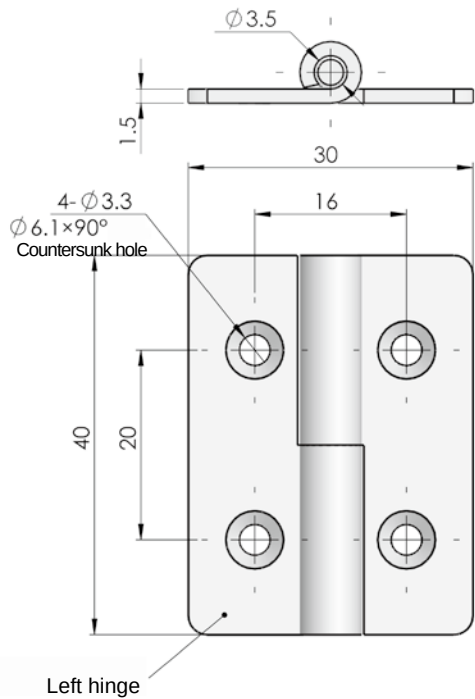
	RH	LH
ERP	CL253S4A006	CL253S4A007

CL253-9



Main material and finish: Stainless
steel hinge leaf and shaft
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 305N
Axial load: 470N



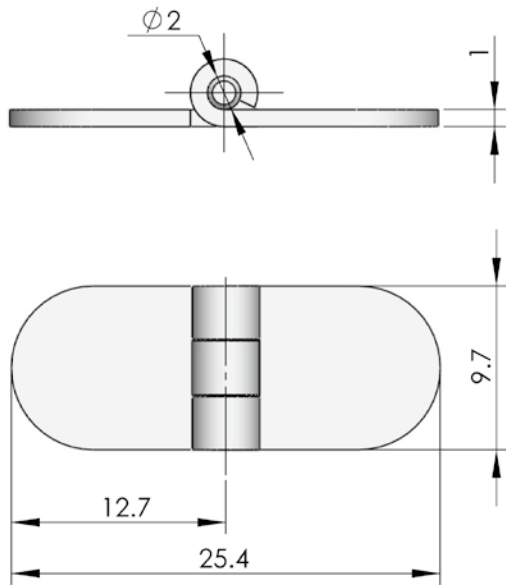
	CL253-9-Z RH	CL253-9-Y LH
ERP	CL253S4A008	CL253S4A009

CL253-10



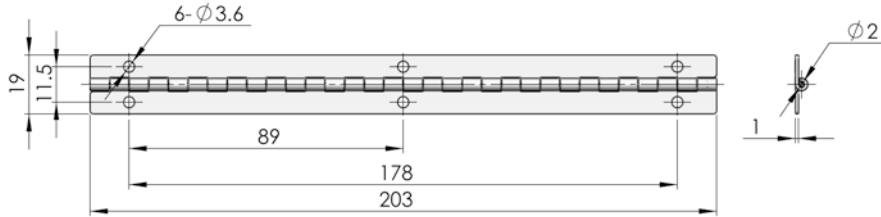
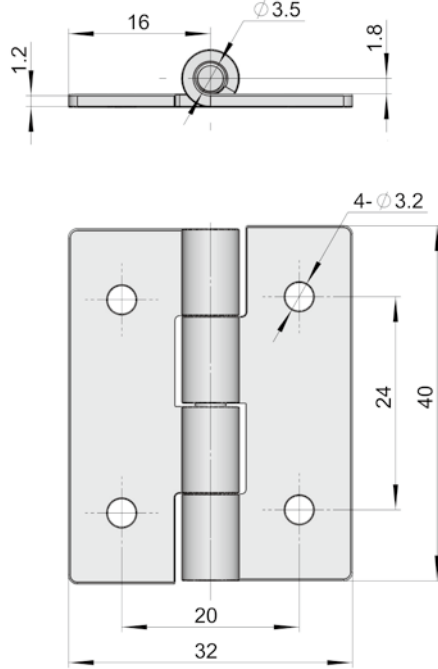
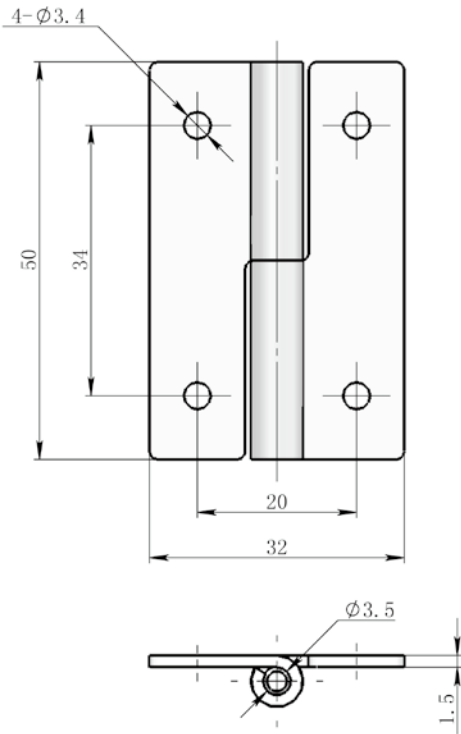
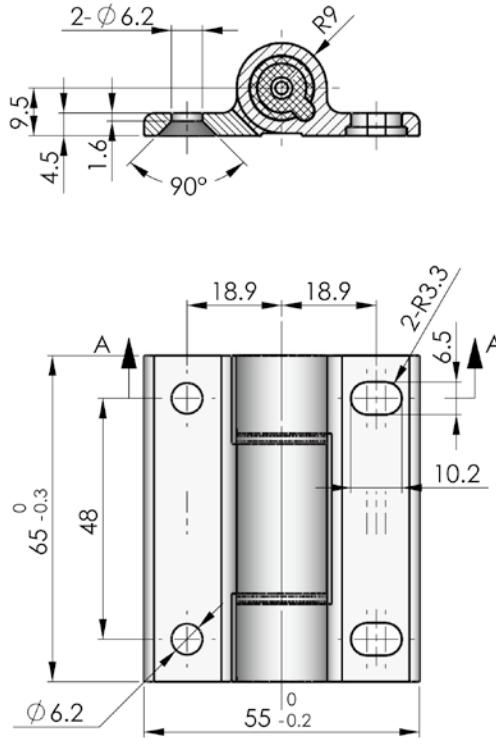
Main material and finish: Mirror
stainless steel hinge and stainless
steel shaft
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 76N
Axial load: 161N



ERP	CL253S4A010
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Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories	CL253-13   Main material and finish: Aluminum alloy hinge leaf, shaft Application: Opening angle 180° Performance parameter: Maximum static load Radial load: 180N Axial load: 530N	 ERPCL253A00001	  Main material and finish: SUS304 mirror plastic board 304 stainless steel Application: Opening angle 180° Performance parameter: Maximum static load Radial load: 340N Axial load: 600N	CL253-20  ERPCL253S4A037	Electronic lock
Handle lock					Handle lock
Cylinder lock					Cylinder lock
Plane lock					Plane lock
Rod control lock					Rod control lock
Panel lock	CL253-16  Main material and finish: Electrolysis SUS301 stainless steel hinge leaf, and SUS304 stainless steel shaft Application: open angle 180° Performance parameter: Maximum static load Radial load: 560N Axial load: 830N	 ERPCL253S9C004	  Main material and finish: Aluminum alloy hinge, POM shaft Application: The hinge is damping hinge with bolt adjustable damping force	 ERPCL253A9A001	Panel lock
Toggle and hook					Toggle and hook
Handles					Handles
Door stop					Door stop
Hinge					Hinge
Seal gasket					Seal gasket

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

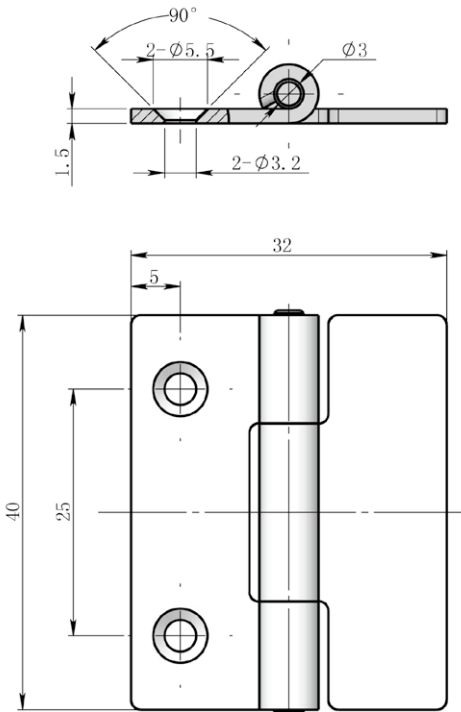
Rod control lock

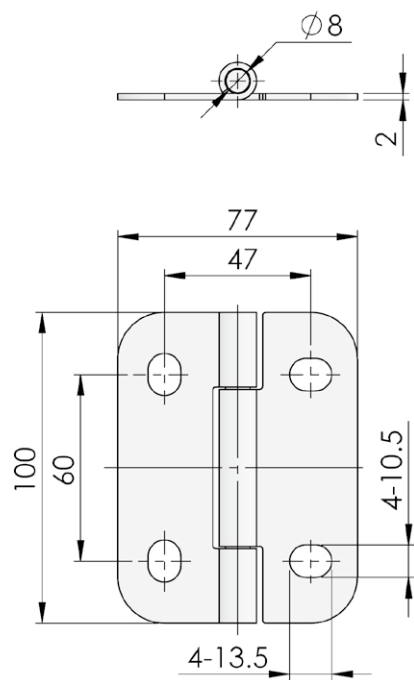


CL253-25

Main material and finish: Mirror polishing stainless steel SS304
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 340N
Axial load: 600N





ERPCL253S4A049

ERPCL253F1A002



CL253-27

Main material and finish: Black powder coated carbon steel hinge
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 500N
Axial load: 700N

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

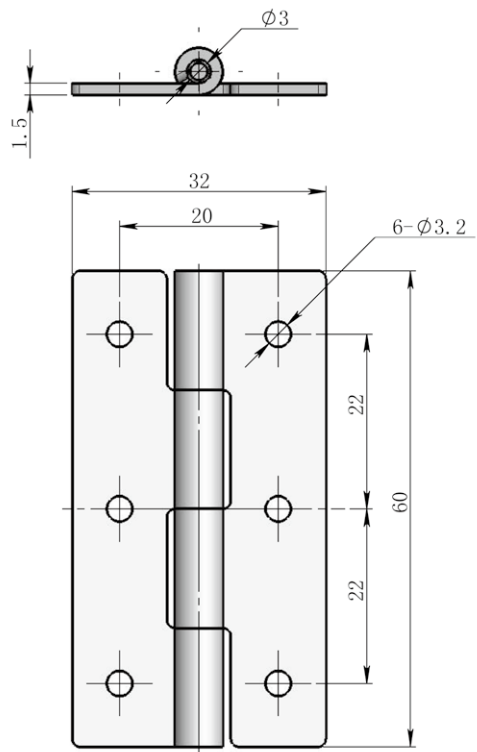
Seal gasket

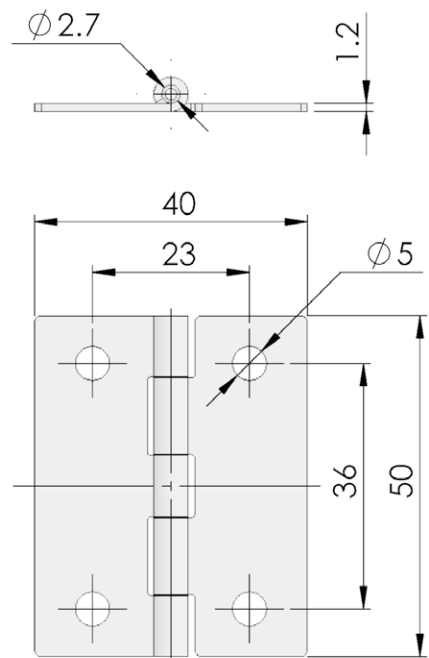


CL253-26

Main material and finish: Mirror polishing stainless steel SS304
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 780N
Axial load: 840N





ERPCL253S4A040

ERPCL253F3D013



CL253-28

Main material and finish: 3+ zinc plated carbon steel hinge
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 990N
Axial load: 990N

Panel lock

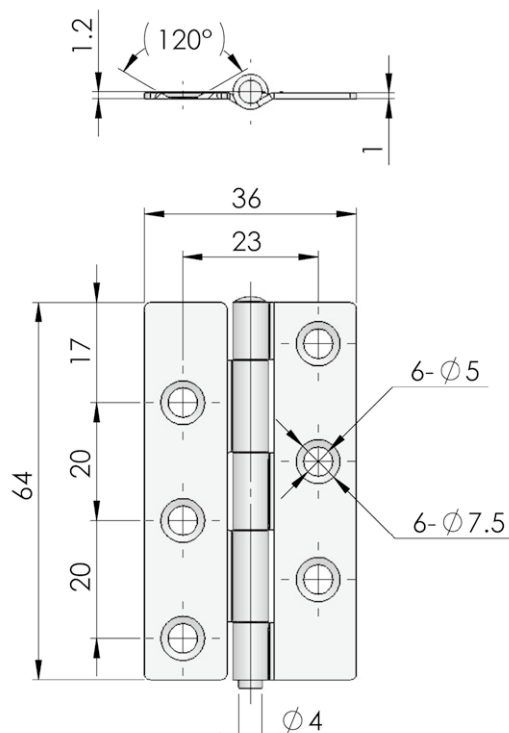
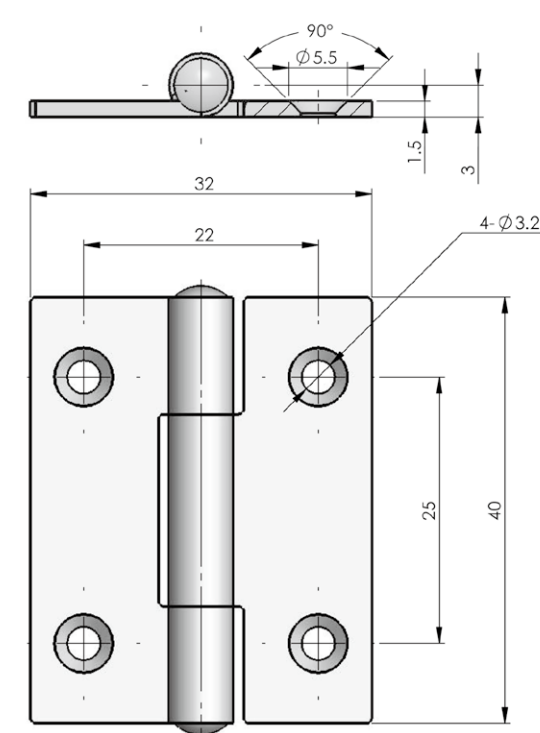
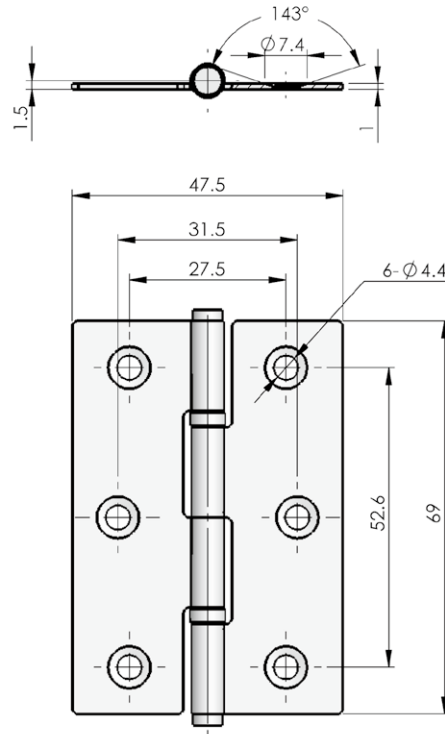
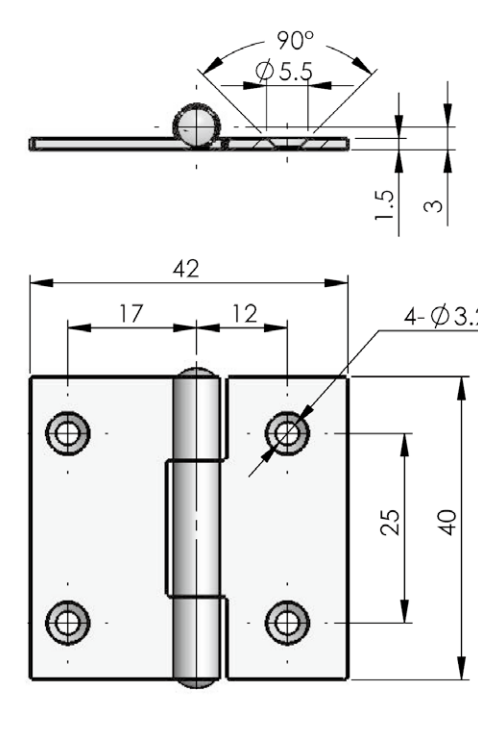
Toggle and hook

Handles

Door stop

Hinge

Seal gasket

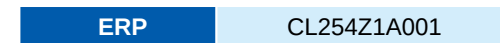
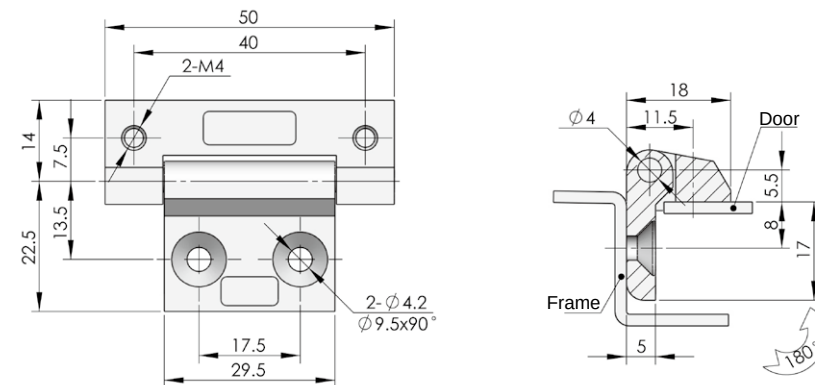
Accessories	CL253-30  Main material and finish: Mirror polishing stainless steel SS304 Application: Opening angle 180° Performance parameter: Maximum static load Radial load: 310N Axial load: 480N	 ERP CL253S4A054	 ERP CL253S4A057	CL253-32-1  Main material and finish: Mirror polishing stainless steel SS304 exposed hinge Application: Opening angle 180° Performance parameter: Maximum static load Radial load: 610N Axial load: 510N	Accessories
Electronic lock					Electronic lock
Handle lock					Handle lock
Cylinder lock					Cylinder lock
Plane lock					Plane lock
Rod control lock	CL253-31  Main material and finish: Mirror polishing stainless steel SS304 Application: Opening angle 180° Performance parameter: Maximum static load Radial load: 650N Axial load: 550N	 ERP CL253S00008	 ERP CL253S4A056	CL253-32-2  Main material and finish: Mirror polishing stainless steel SS304 exposed hinge Application: Opening angle 180° Performance parameter: Maximum static load Radial load: 450N Axial load: 400N	Rod control lock
Panel lock					Panel lock
Toggle and hook					Toggle and hook
Handles					Handles
Door stop					Door stop
Hinge					Hinge
Seal gasket					Seal gasket

CL254

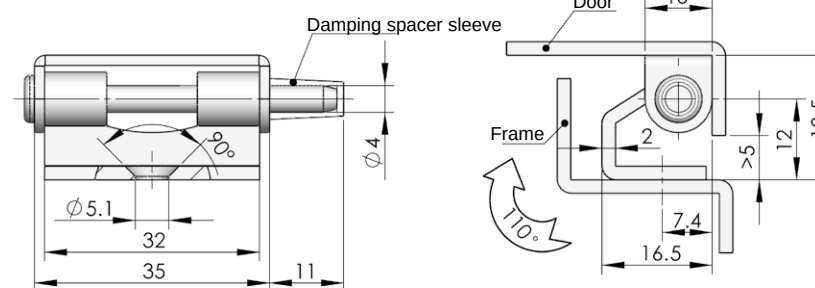
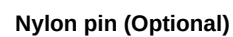


Main material and finish: Black powder coated ZDC hinge, nickel plated steel pin
Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 1000N
Axial load: 800N

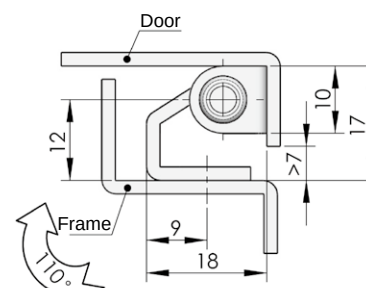


CL254Z1A001



Technical drawing of a door hinge assembly. The drawing shows a side view of the hinge with the following dimensions and labels:

- Door:** Label pointing to the top horizontal part of the hinge.
- Frame:** Label pointing to the vertical part of the hinge, with a curved arrow indicating a 10° rotation.
- Dimensions:**
 - Vertical dimension on the left: 12
 - Vertical dimension on the right: 10 and 17
 - Horizontal dimension at the bottom: 9 and 18
 - Horizontal dimension on the right: >7



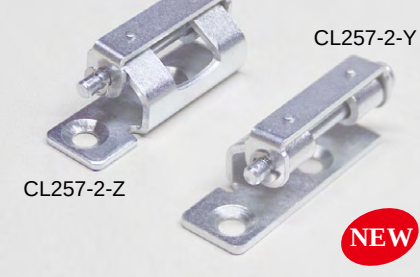
ERP CL257F3D001



Performance parameter:
Maximum static load
Radial load: 885N
Axial load: 525N

Model	ERP	Specification	A	Remark
CL255-1	CL255Z1A001	Suitable door thickness Ts=2mm	5.1	ZDC hinge
CL255-2	CL255Z1A002	Suitable door thickness Ts=3mm	6.1	ZDC hinge
CL255-3	CL255Z1A003	Suitable door thickness Ts=1.5mm	4.6	ZDC hinge
CL255-1A	CL255Z1A004	Suitable door thickness Ts=2mm	5.1	Steel female hinge
CL255-2A	CL255Z1A005	Suitable door thickness Ts=3mm	6.1	Steel female hinge
CL255-3A	CL255Z1A006	Suitable door thickness Ts=1.5mm	4.6	Steel female hinge

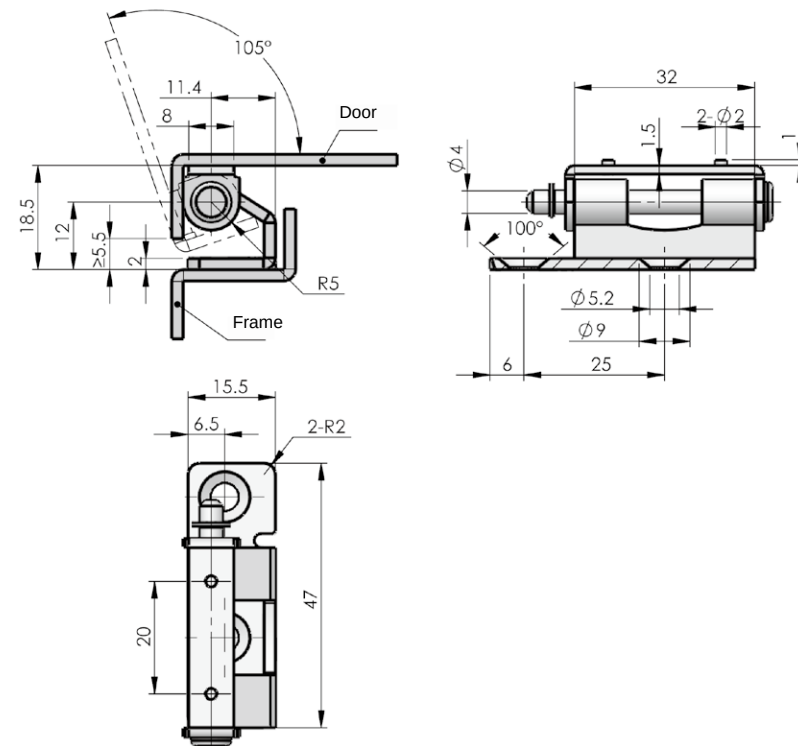
CL257-2



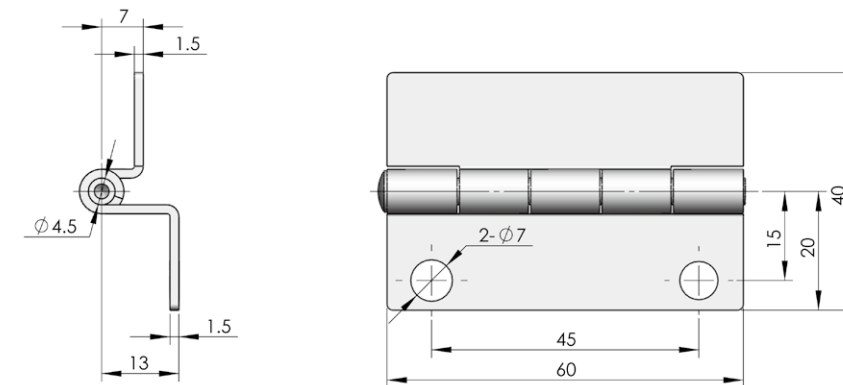
Main material and finish: 3+ zinc plated carbon steel hinge
Application: opening angle 105°

Performance parameter:

Max Static load
Radial load: 130N
Axial Load: 220N



Specification	LH	RH
ERP	CL257F3D009	CL257F3D008



ERP	CL261F3D001
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CL261



Main material and finish: White zinc-plated steel hinge
Application: Opening angle 180°

Performance parameter:

Maximum static load
Radial load: 340N
Axial load: 200N

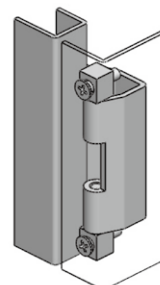
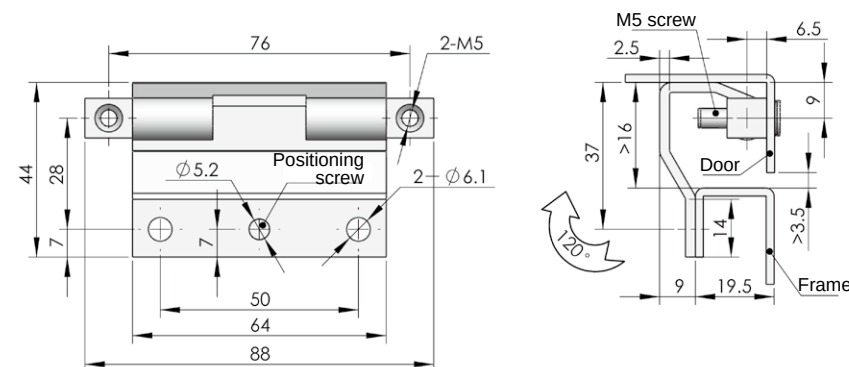
CL260



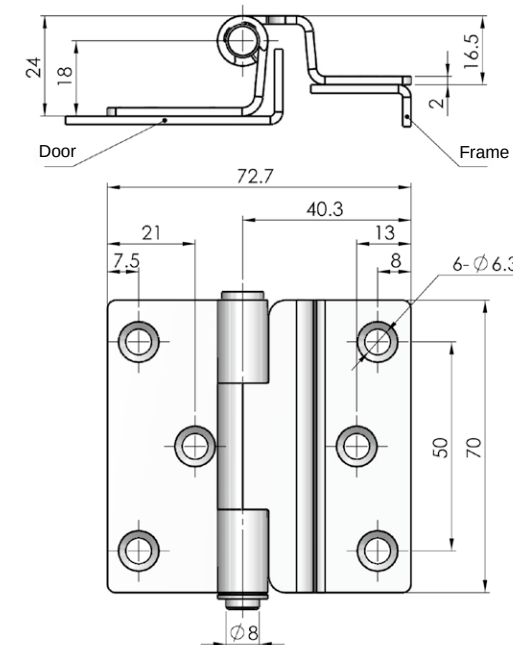
Main material and finish: White zinc-plated steel hinge
Application: Opening angle 120°

Performance parameter:

Maximum static load
Radial load: 350N
Axial load: 205N



ERP	CL260F3D001
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ERP	CL261S9C002
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CL261-2



Main material and finish: Electrolysis stainless steel SS304 exposed hinge
Application: Opening angle 180°

Performance parameter:

Maximum static load
Radial load: 600N
Axial load: 400N

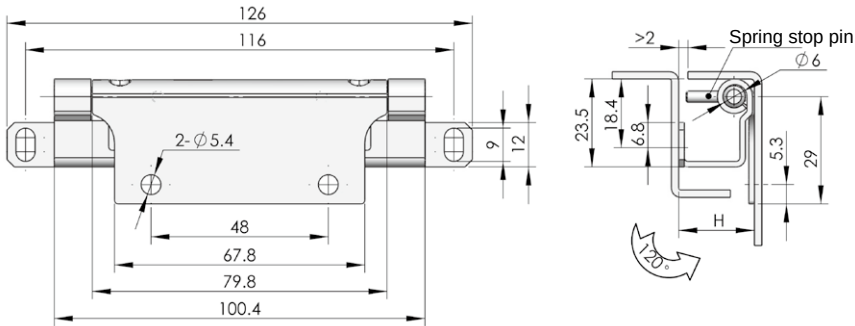
CL268



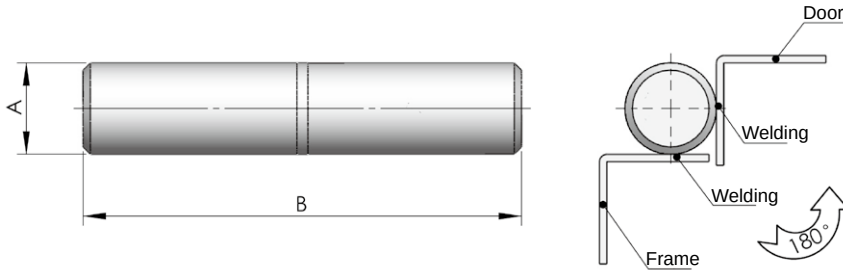
Main material and finish: Stainless steel or steel hinge

Performance parameter:

Maximum static load
Radial load: 260N
Axial load: 450N



Model	ERP	H	Material
CL268-1	CL268S00001	23.9	Stainless steel
CL268-2	CL268S00002	20.5	Stainless steel
CL268-3	CL268S00003	17.5	Stainless steel
CL268-1A	CL268F3D001	23.9	Steel
CL268-2A	CL268F3D002	20.5	Steel
CL268-3A	CL268F3D003	17.5	Steel



Model	ERP	A	B	C
CL270-1	CL270F3D001	d26	150	75
CL270-2	CL270F3D002	d25	120	60
CL270-3	CL270F3D003	d14	120	60
CL270-4	CL270F3D004	d10	60	30

CL270



Main material and finish: White zinc-plated steel hinge

Performance parameter:

Maximum static load
Radial load: 2000N
Axial load: 2000N

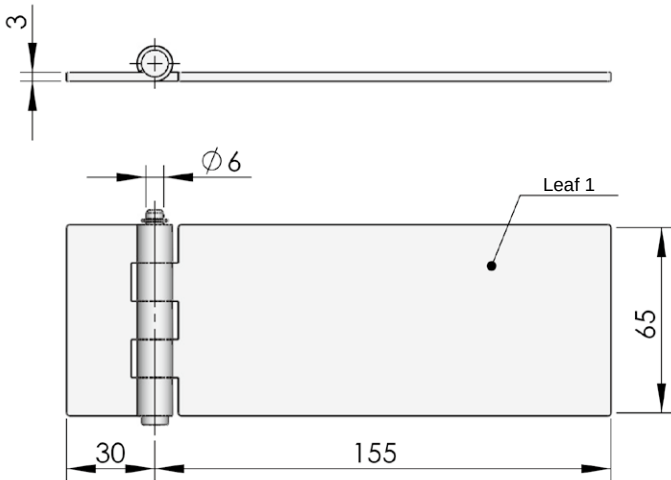
CL269



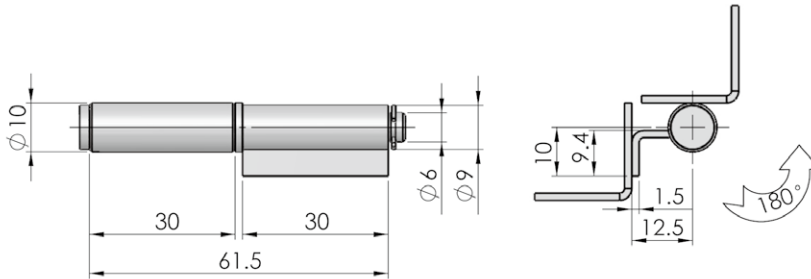
Main material and finish: White zinc-plated steel hinge

Performance parameter:

Maximum static load
Radial load: 610N
Axial load: 800N



ERP	CL269F3D001
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ERP	CL270F00004
-----	-------------

CL270-4-1D



Main material and finish: 3+ zinc plated carbon steel exposed hinge and shaft
Application: opening angle 180°

Performance parameter:

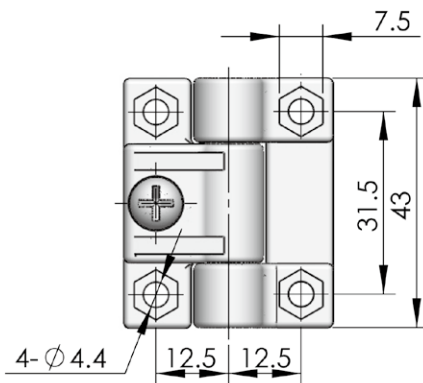
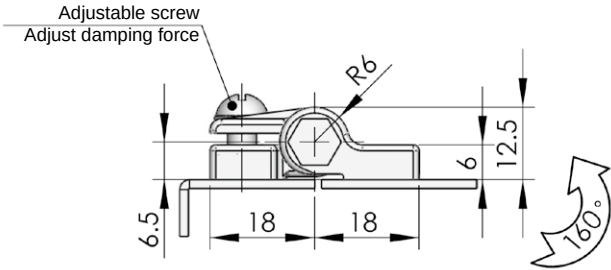
Maximum static load
Radial load: 250N
Axial load: 150N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

CL272



Main material and finish: Black PA hinge, steel screw, PC shaft
Application: Opening angle 160°



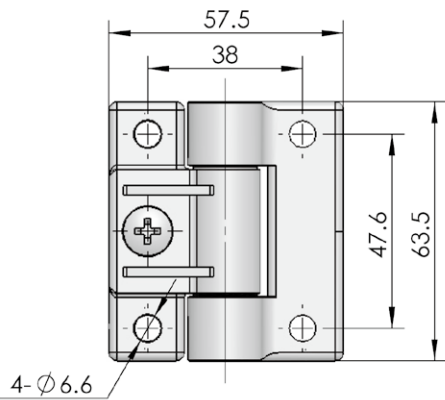
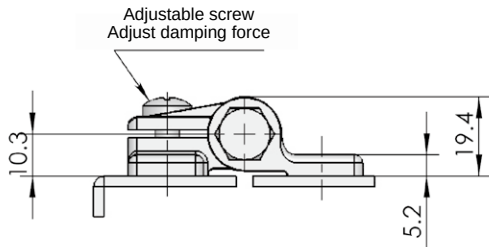
ERP

CL272N00001

CL272-2

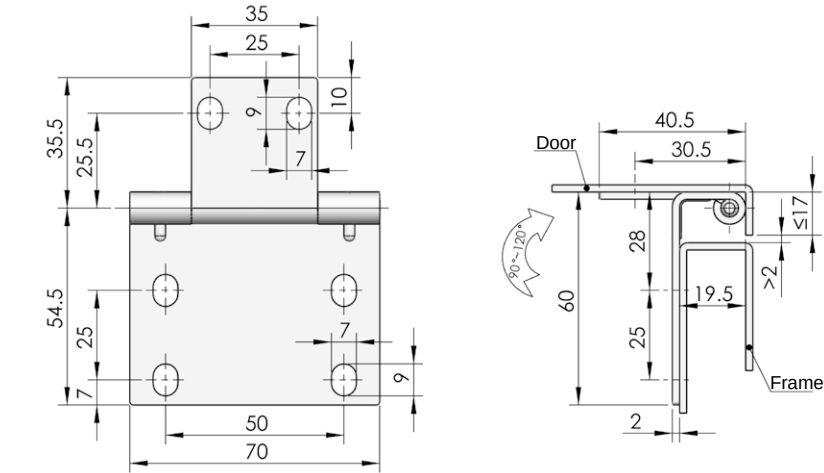


Main material and finish: POM black male and female hinge transparent PC shaft, and Stainless steel adjustable screw and nut.
Application: Maximum rotating angle 165°



ERP

CL272N00002



ERP

CL273F3D001

CL273



Main material and finish: White zinc-plated steel hinge
Application: Opening angle 90°~120°

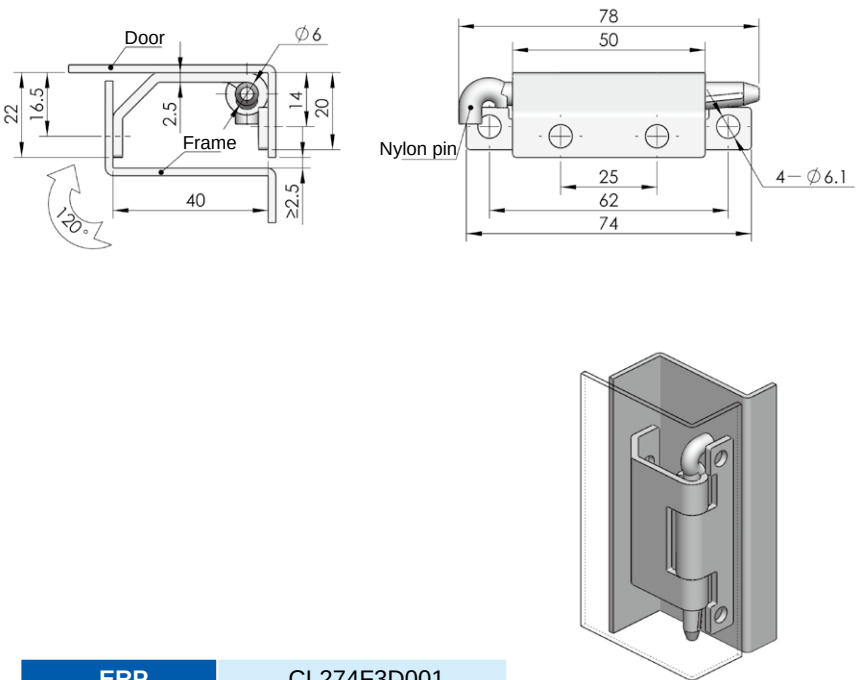
Performance parameter:
Maximum static load
Radial load: 260N
Axial load: 340N

CL274



Main material and finish: White zinc-plated steel hinge
Application: Opening angle 120°

Performance parameter:
Maximum static load
Radial load: 180N
Axial load: 310N



ERP

CL274F3D001

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

CL275-1



Main material and finish: White zinc-plated steel hinge

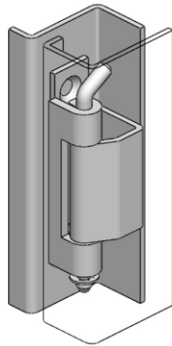
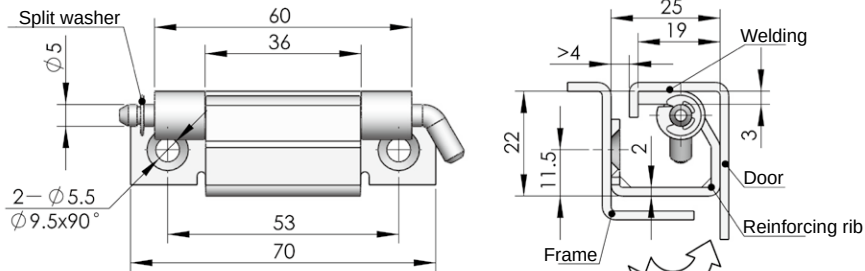
Application: Opening angle 120°

Performance parameter:

Maximum static load

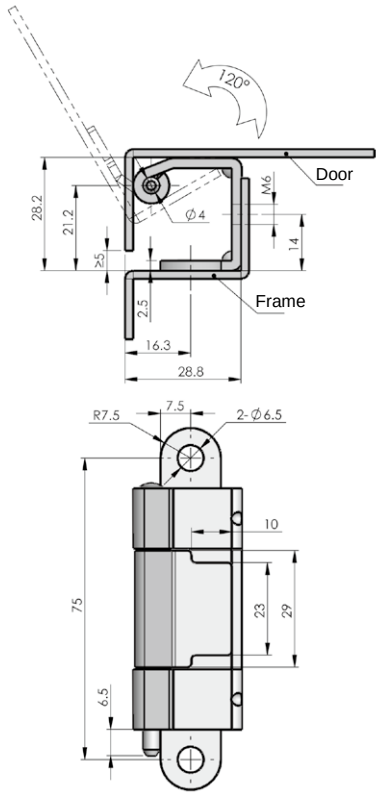
Radial load: 120N

Axial load: 310N



ERP

CL275F3D002



ERP

CL275F3D010

CL275-2



Main material and finish: White zinc-plated steel hinge

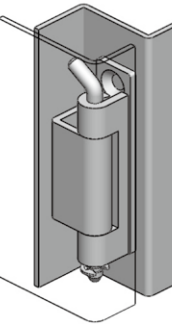
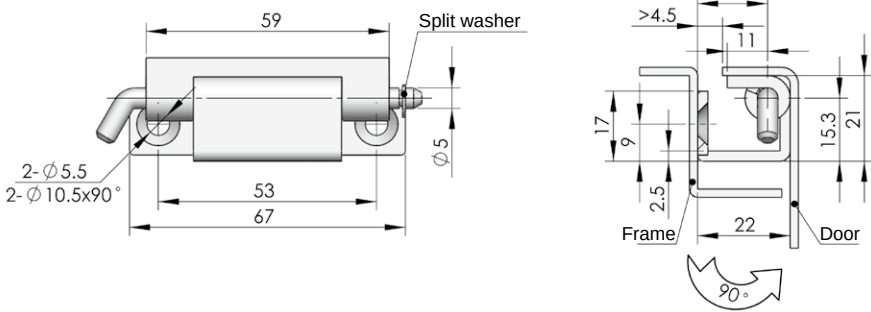
Application: Opening angle 120°

Performance parameter:

Maximum static load

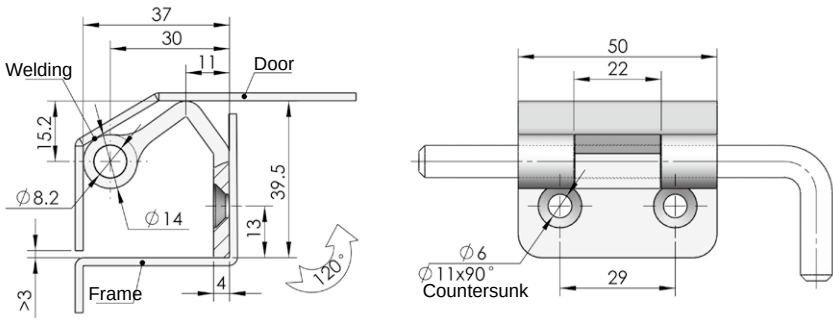
Radial load: 120N

Axial load: 310N



ERP

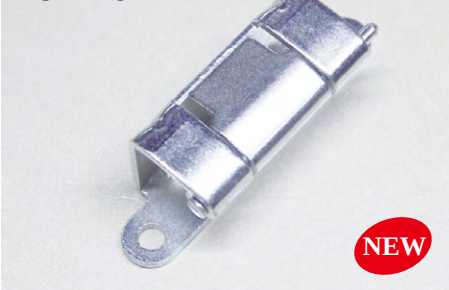
CL275F3D003



ERP

CL276Z3D001

CL275-4



Main material and finish: 3+ zinc plated carbon steel hinge

Application: Opening angle 120°

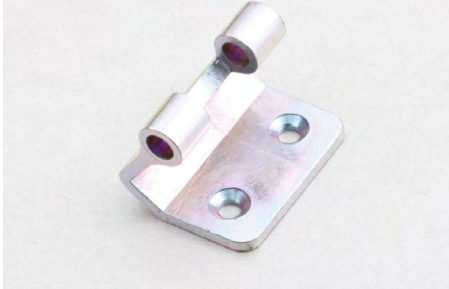
Performance parameter:

Maximum static load

Radial load: 410N

Axial load: 91N

CL276



Main material and finish: White zinc-plated ZDC female hinge

Application: Opening angle 120°

Performance parameter:

Maximum static load

Radial load: 480N

Axial load: 690N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

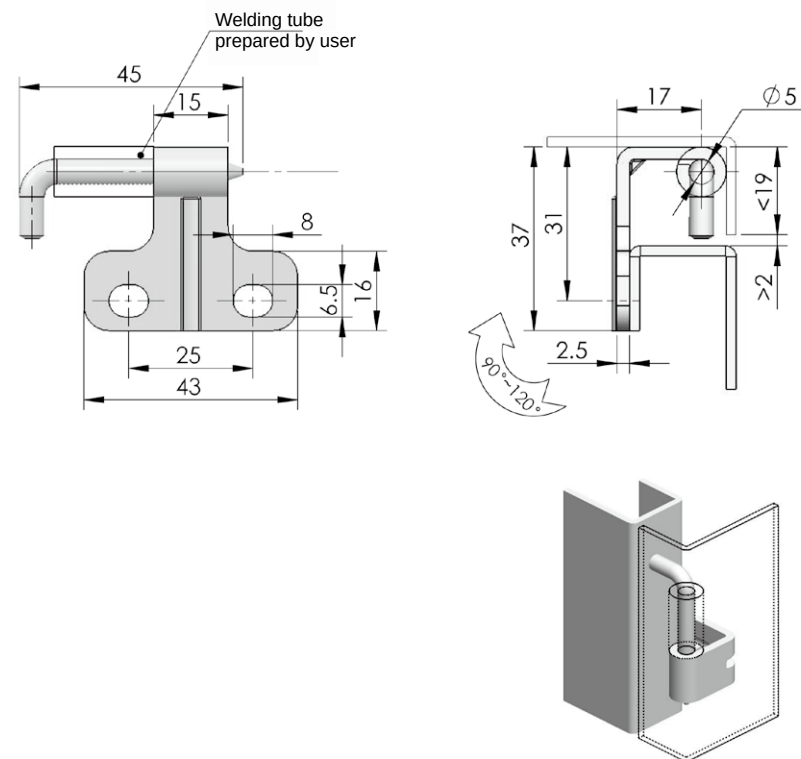
CL280



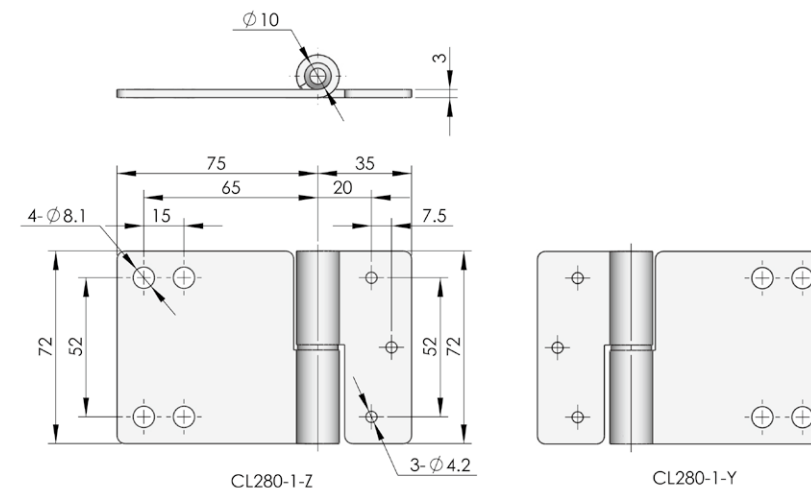
Main material and finish: Black powder coated steel female hinge, white zinc-plated pin

Application: Opening angle 120°

Performance parameter:
Maximum static load
Radial load: 360N
Axial load: 105N



ERP CL280F1A001



	CL281-A-Z LH	CL281-A-Y RH
ERP	CL281S4A001	CL281S4A003

CL281



INOX
AISI
3..

Main material and finish: Stainless steel hinge

Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 1280N
Axial load: 630N

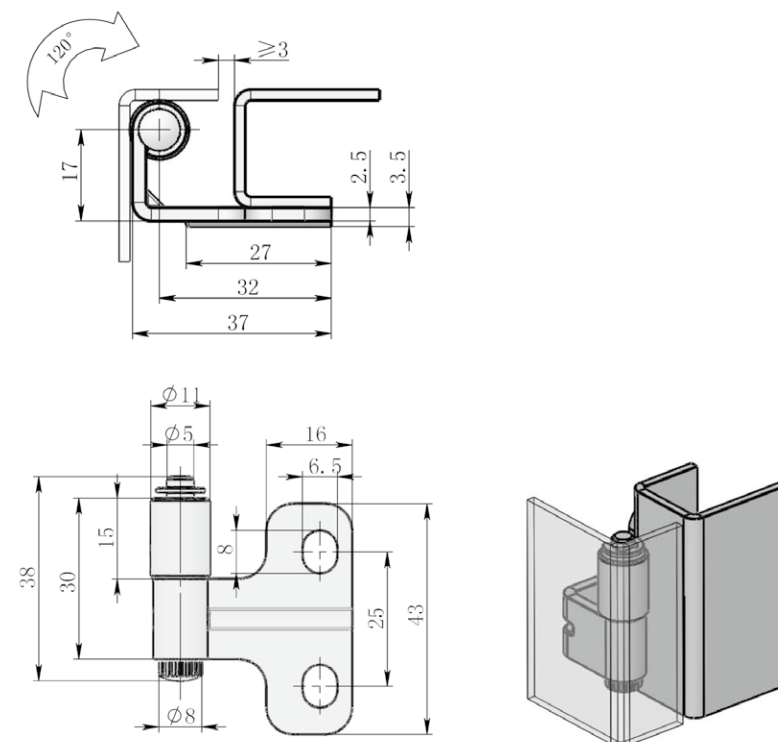
CL280-2



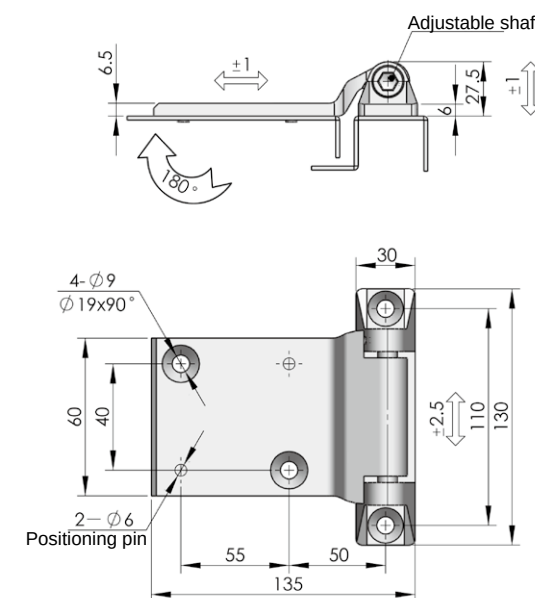
Main material and finish: Black powder coated steel female hinge, male hinge blank, white zinc-plated shaft

Application: Opening angle 120°

Performance parameter:
Maximum static load
Radial load: 1220N
Axial load: 1000N



ERP CL280F2A003



	CL282-1-Z LH	CL282-1-Y RH
ERP	CL282Z1B001	CL282Z1B002

CL282-1-Y
CL282-1-Z



Main material and finish: Pocked black powder coated ZDC female part, stainless steel shaft

Application: Opening angle 180°

Performance parameter:
Maximum static load
Radial load: 1800N
Axial load: 1500N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

CL282-2-Y
CL282-2-Z

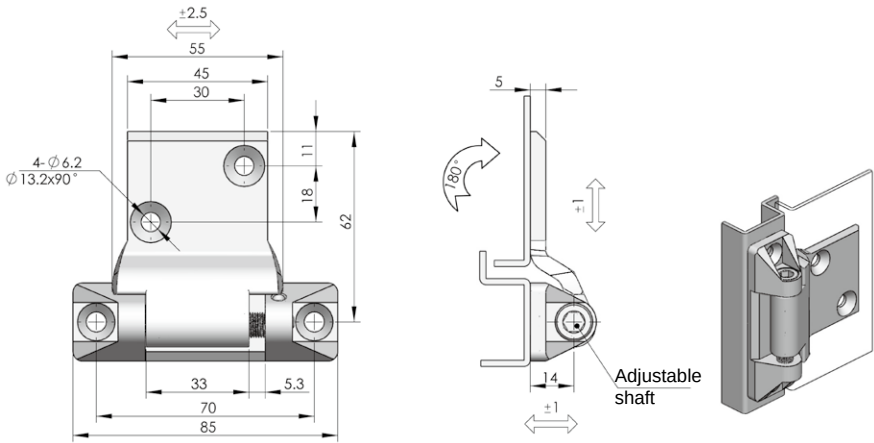


Main material and finishing: Pocked black powder coated ZDC female hinge, stainless steel shaft

Application: Opening angle 180°

Performance parameter:

Maximum static load
Radial load: 1500N
Axial load: 1300N



	CL282-2-Z LH	CL282-2-Y RH
ERP	CL282Z1B003	CL282Z1B004

CL283-4



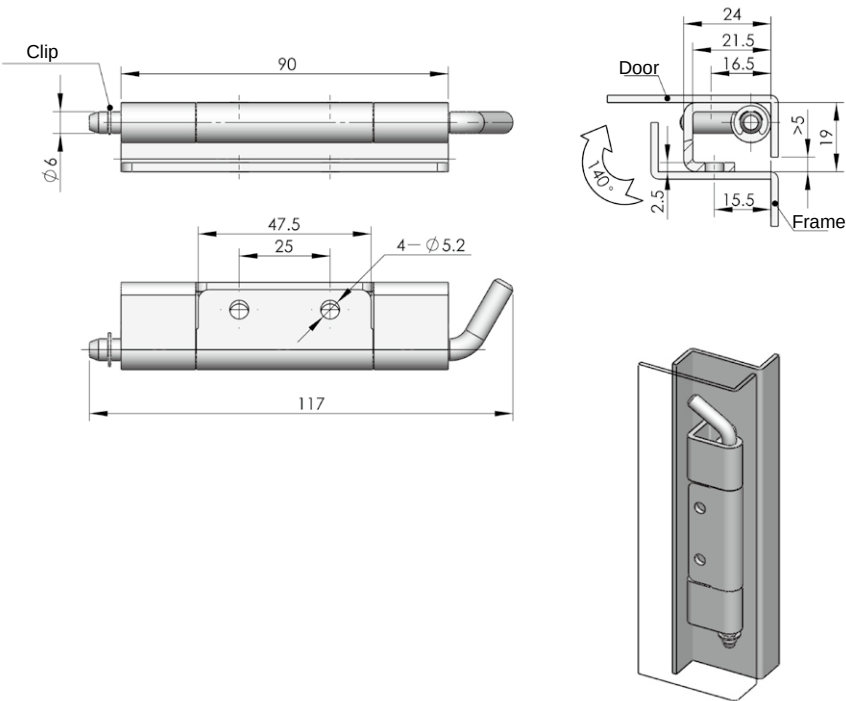
INOX
AISI
3..

Main material and finish: Stainless steel hinge and pin

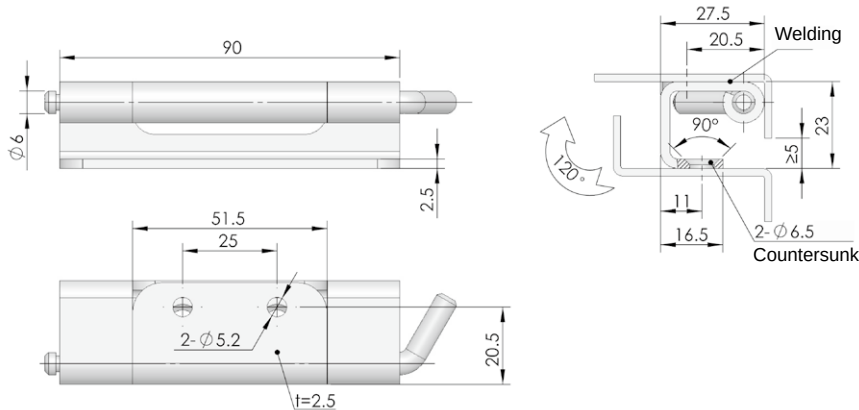
Application: Opening angle 140°

Performance parameter:

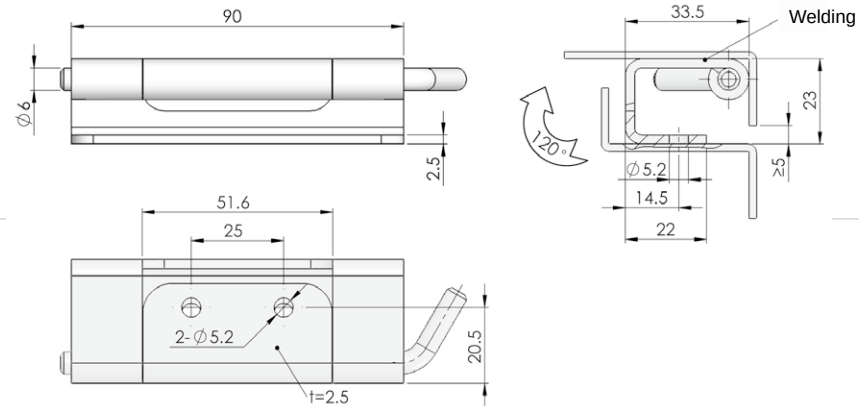
Maximum static load
Radial load: 500N
Axial load: 980N



ERP	CL283S00003
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CL283-1



CL283-2

	CL283-1	CL283-2
ERP	CL283S00001	CL283S00002

CL283-1
CL283-2



INOX
AISI
3..

Main material and finish: stainless steel hinge and shaft

Application: Opening angle 120°

Performance parameter:

Maximum static load
Radial load: 500N
Axial load: 980N

Accessories
Electronic lock
Handle lock
Cylinder lock
Plane lock
Rod control lock
Panel lock
Toggle and hook
Handles
Door stop
Hinge
Seal gasket

CL283-8



INOX
AISI
3.16

Main material and finish: Zinc nickel alloy
steel hinge

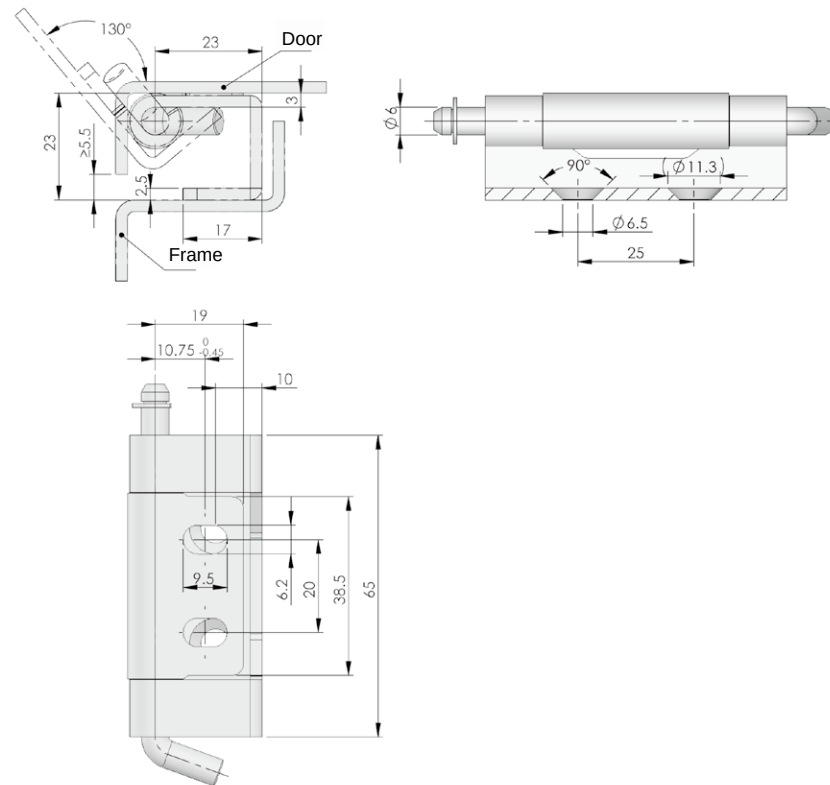
Application: Opening angle 130°

Performance parameter:

Maximum static load

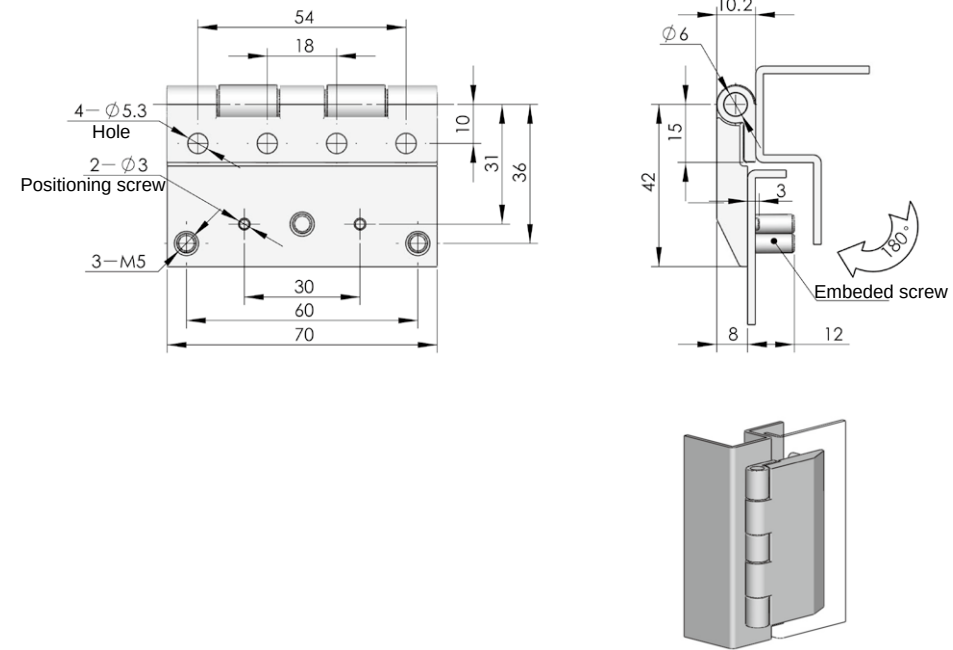
Radial load: 240N

Axial load: 330N



ERP

CL283F3D006



ERP

CL289Z2A001

CL289



Main material and finish: Black painted
ZDC female part

Application: Opening angle 180°

Performance parameter:

Maximum static load

Radial load: 1500N

Axial load: 1435N

**Embedded screw recommended
tightening torque:** 10N. m

CL288



INOX
AISI
3.16

Main material and finish: Stainless steel
hinge

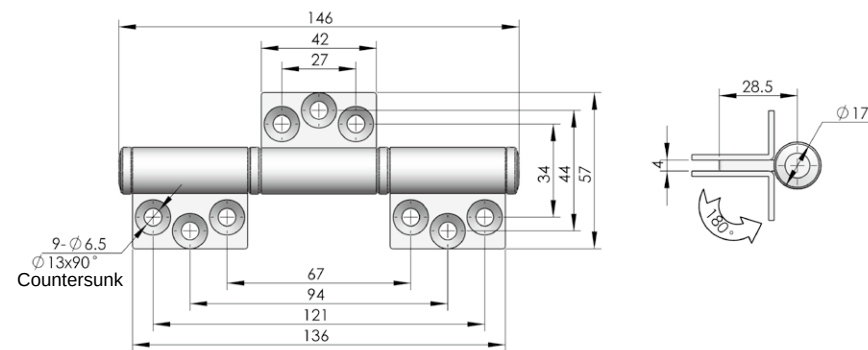
Application: Opening angle 180°

Performance parameter:

Maximum static load

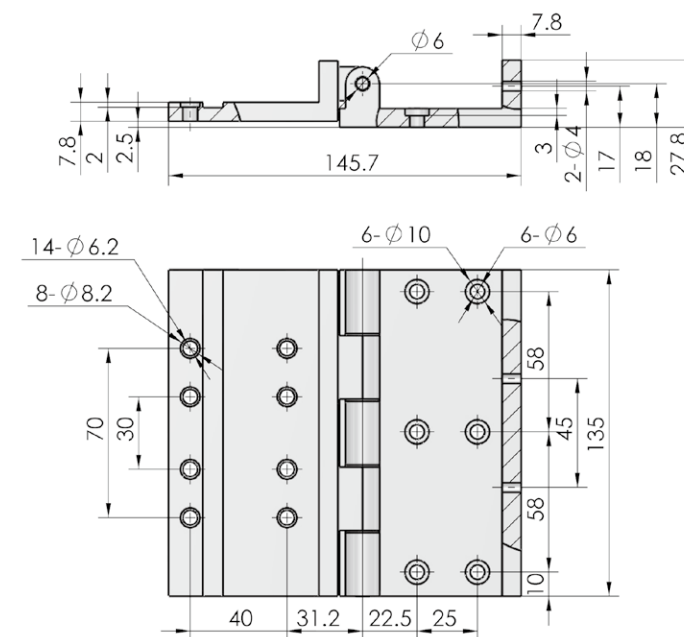
Radial load: 3000N

Axial load: 3000N



ERP

CL288S00001



ERP

CL289A2B001

CL289-2



Main material and finish: Painted
aluminium alloy

Application: Opening angle 180°

Performance parameter:

Maximum static load

Radial load: 1000N

Axial load: 1000N

CL290



Main material and finish: Stainless steel hinge

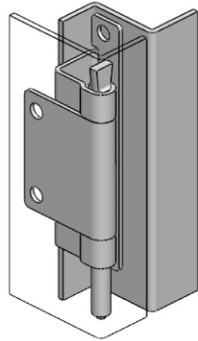
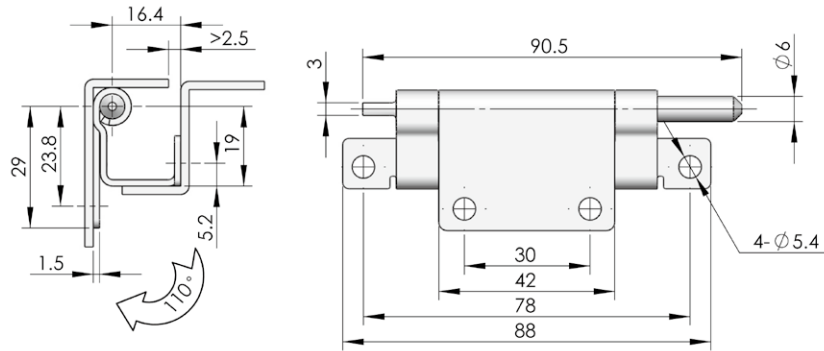
Application: Opening angle 110°

Performance parameter:

Maximum static load

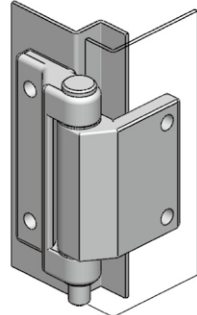
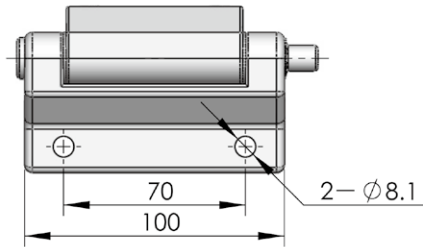
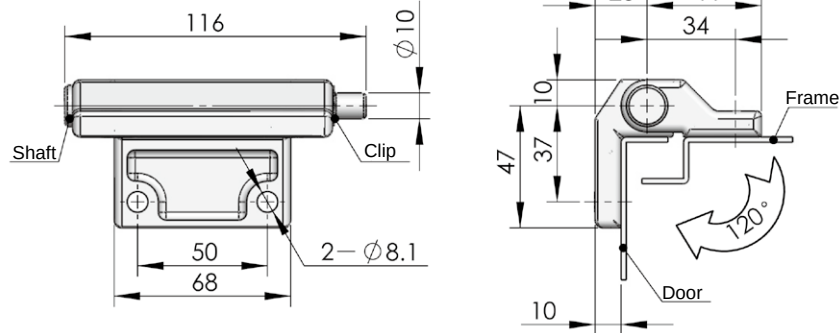
Radial load: 140N

Axial load: 310N



ERP

CL290S00001



ERP

CL293F3I001

CL293



Main material and finish: Sand-spraying and nickle-plated casting steel hinge

Application: Opening angle 120°

Performance parameter:

Maximum static load

Radial load: 3000N

Axial load: 3000N

CL292



Main material and finish: Sand-spraying and chrome-plated ZDC hinge, carbon steel pin

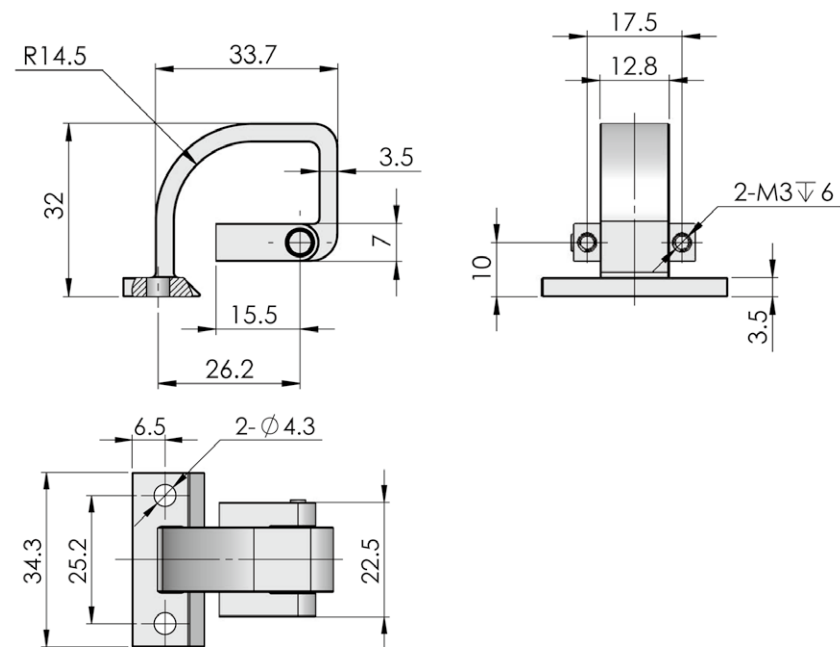
Application: Opening angle 180°

Performance parameter:

Maximum static load

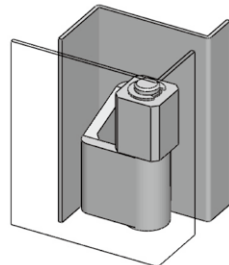
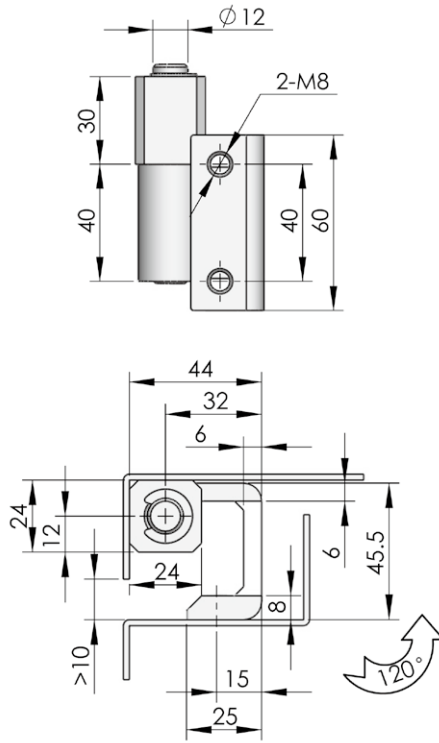
Radial load: 95N

Axial load: 105N



ERP

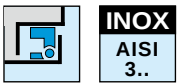
CL292Z3H001



ERP

CL294S00001

CL294



Main material and finish: Stainless steel hinge

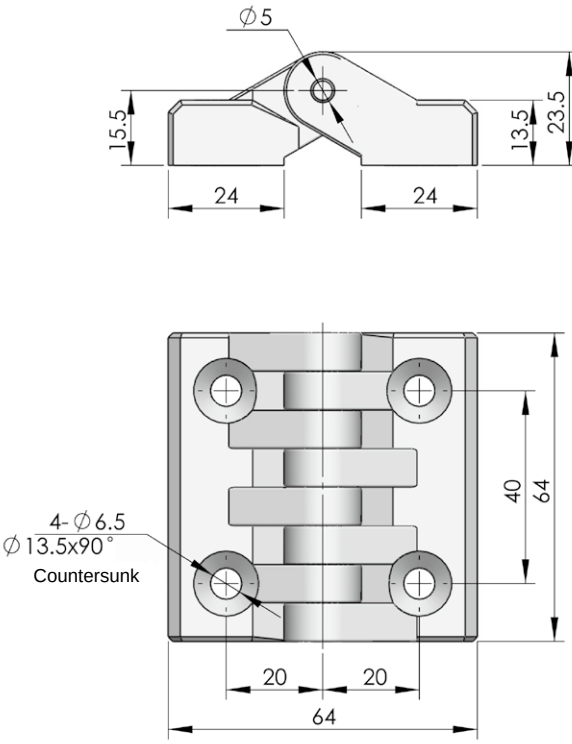
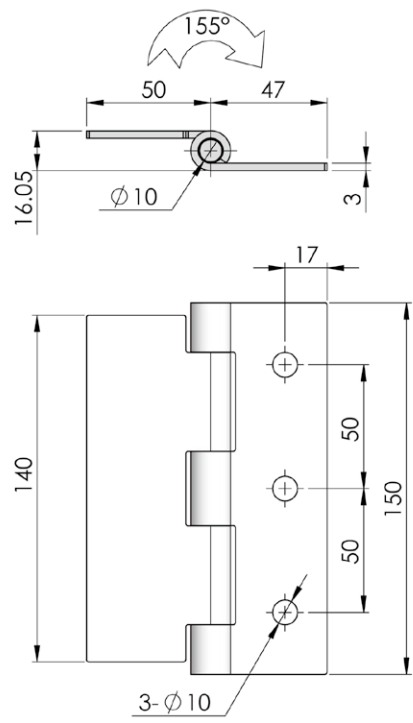
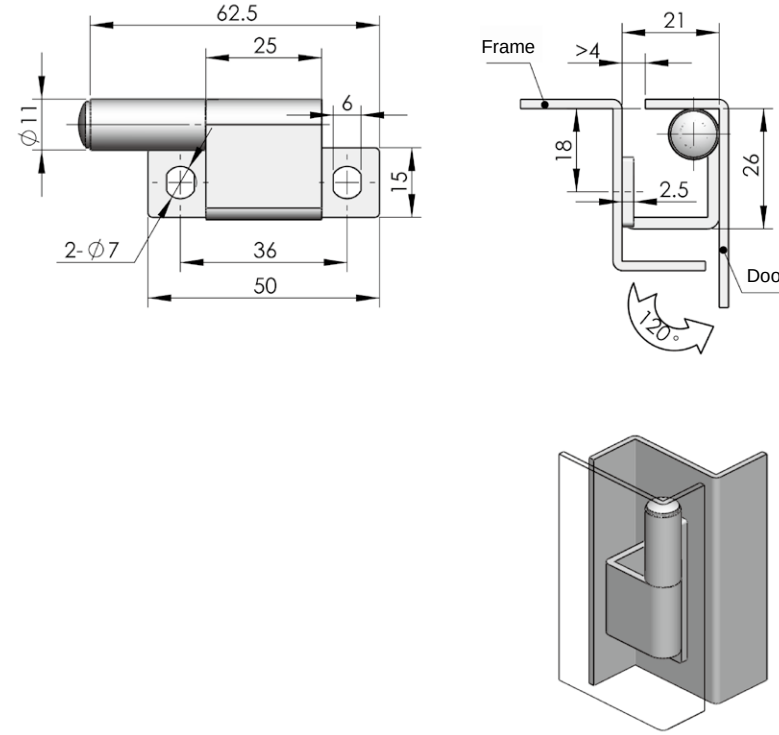
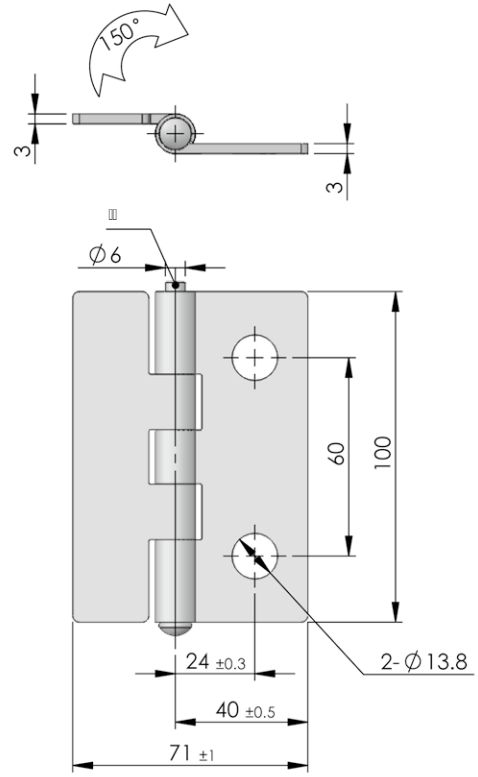
Application: Opening angle 120°

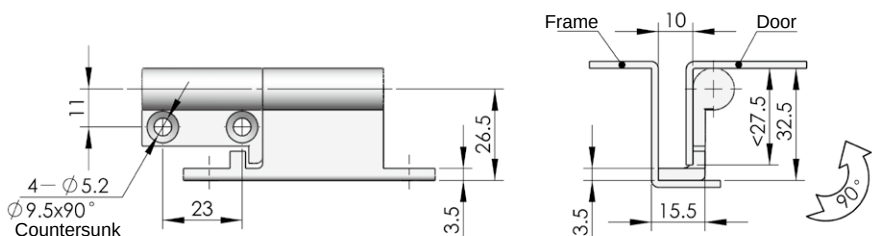
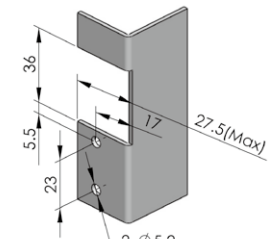
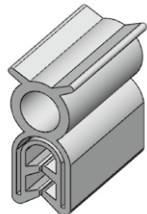
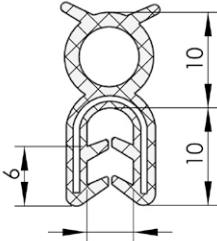
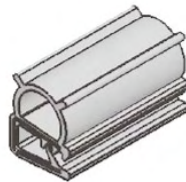
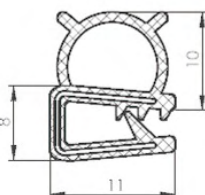
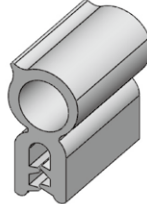
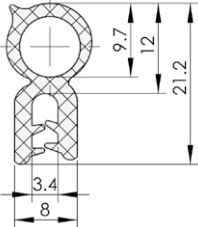
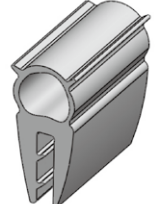
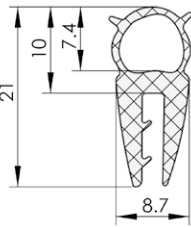
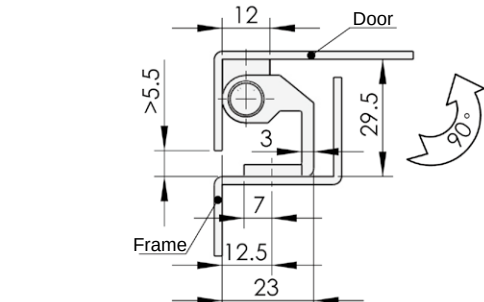
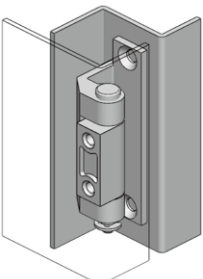
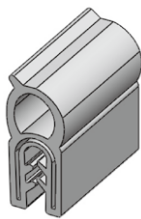
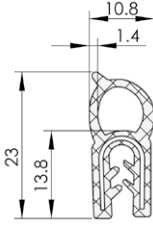
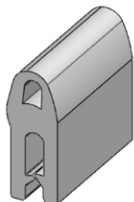
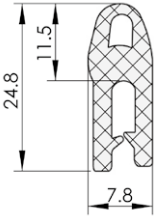
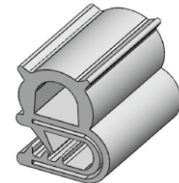
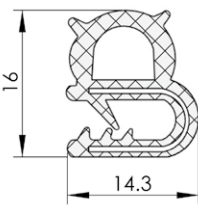
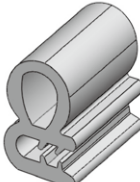
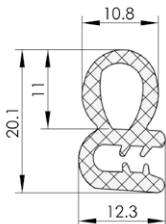
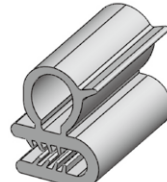
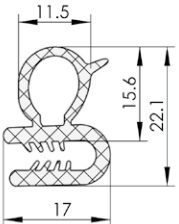
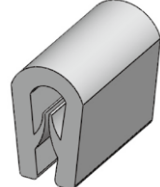
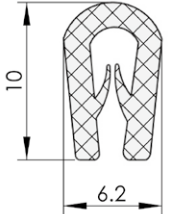
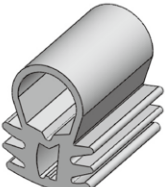
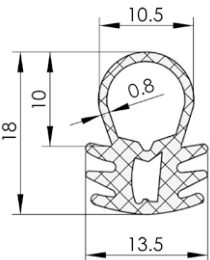
Performance parameter:

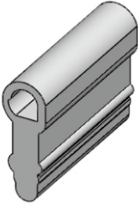
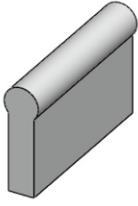
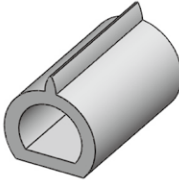
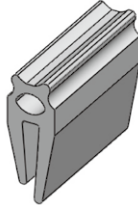
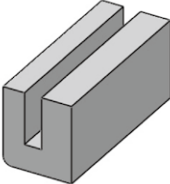
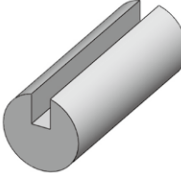
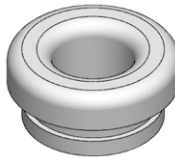
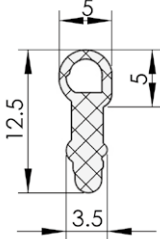
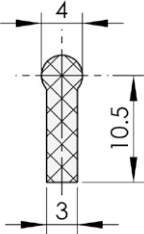
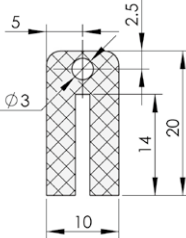
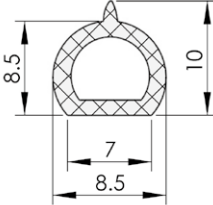
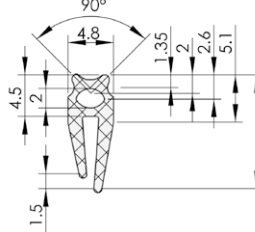
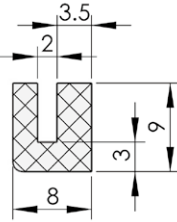
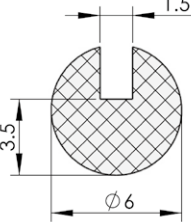
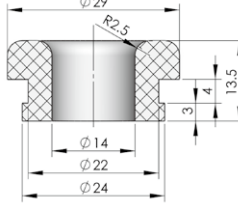
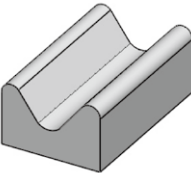
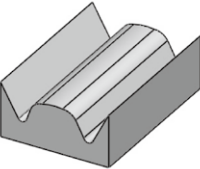
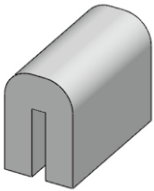
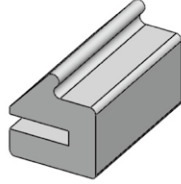
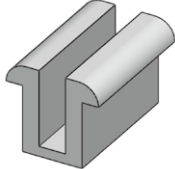
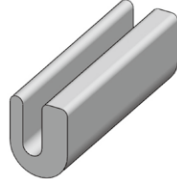
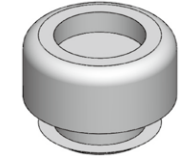
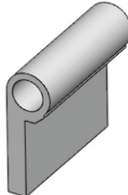
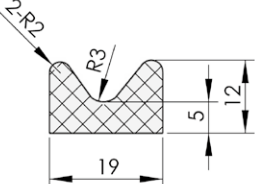
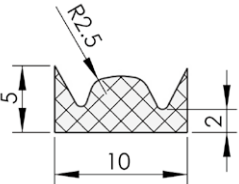
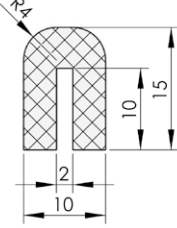
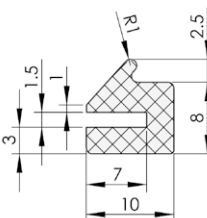
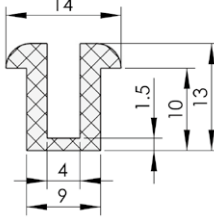
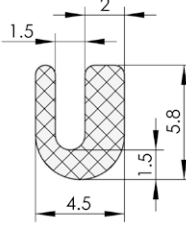
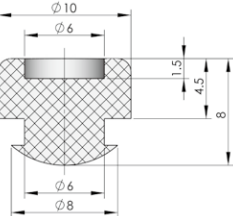
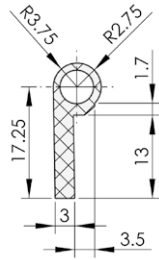
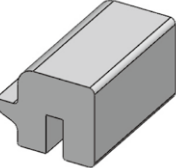
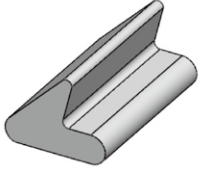
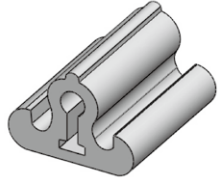
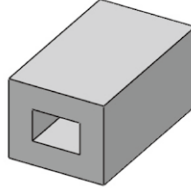
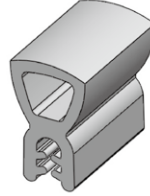
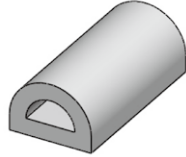
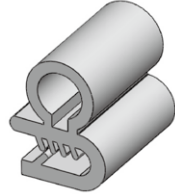
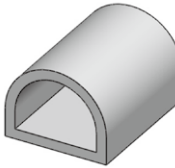
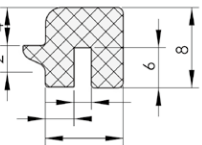
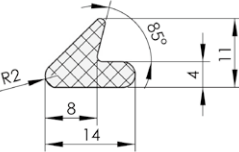
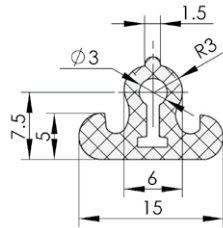
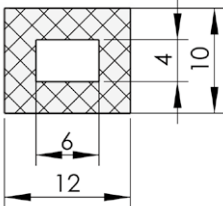
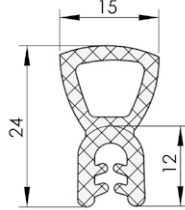
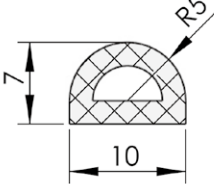
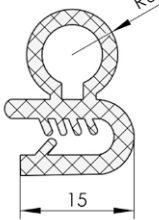
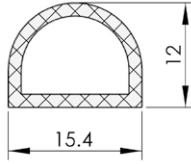
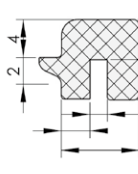
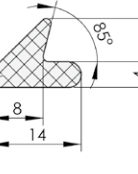
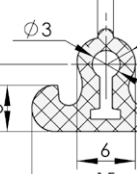
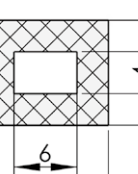
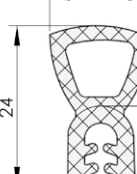
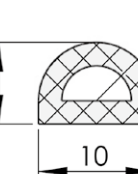
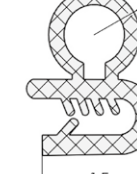
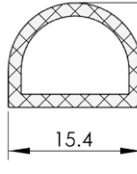
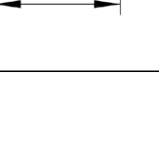
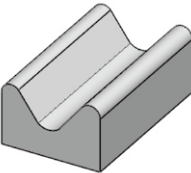
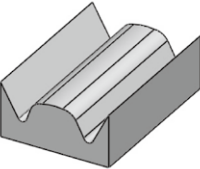
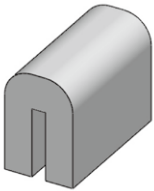
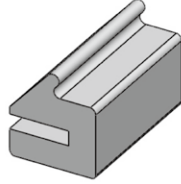
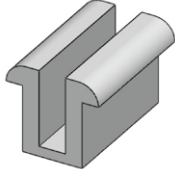
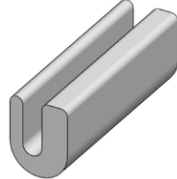
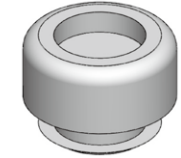
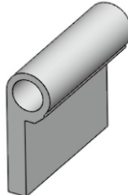
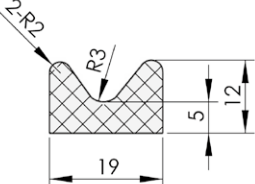
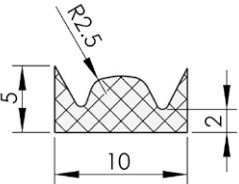
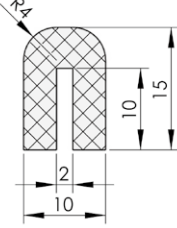
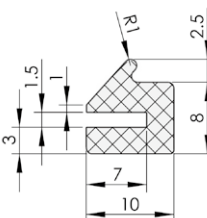
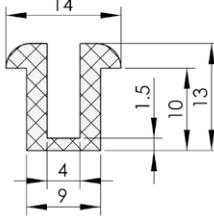
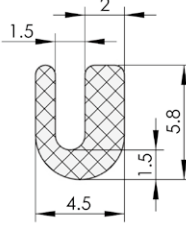
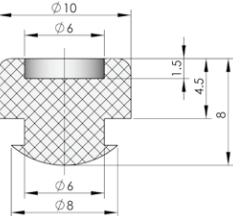
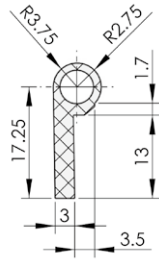
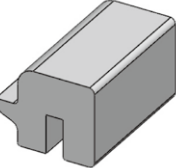
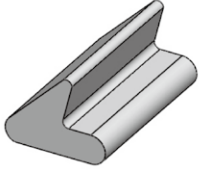
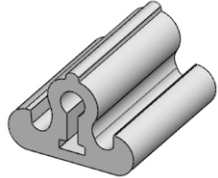
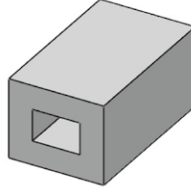
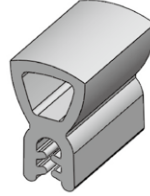
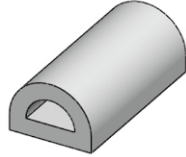
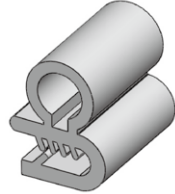
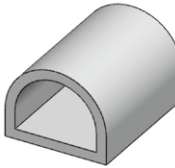
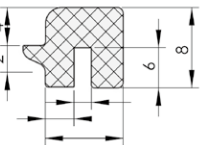
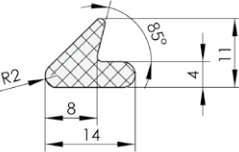
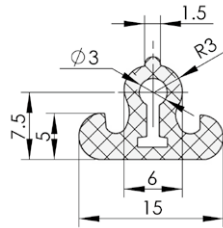
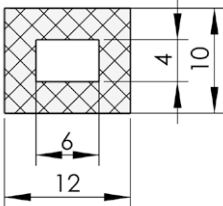
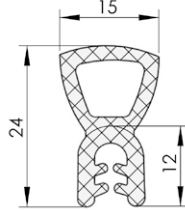
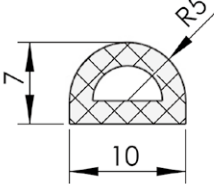
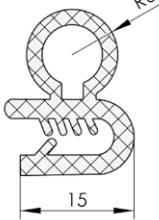
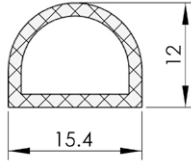
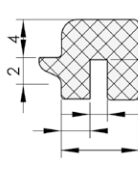
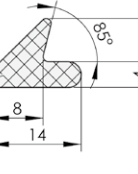
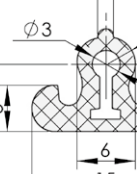
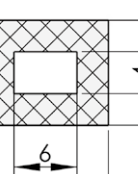
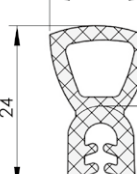
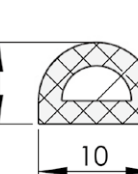
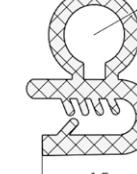
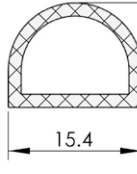
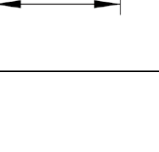
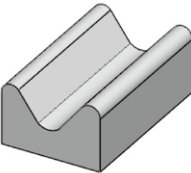
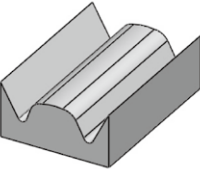
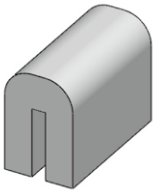
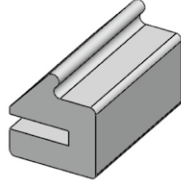
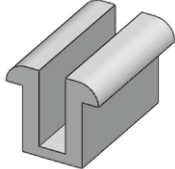
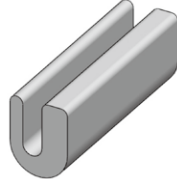
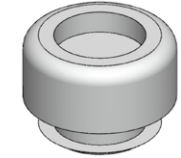
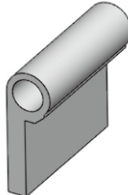
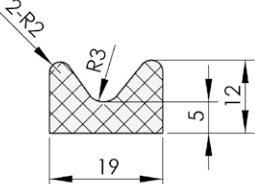
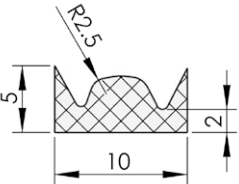
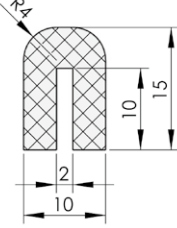
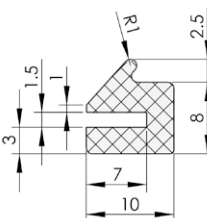
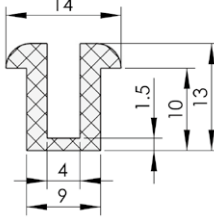
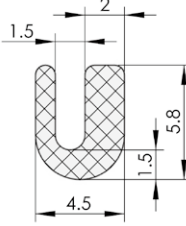
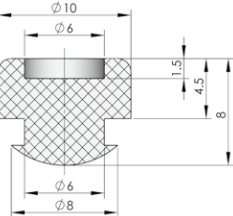
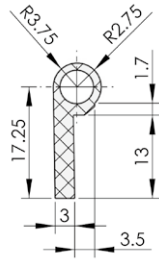
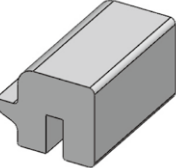
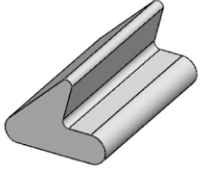
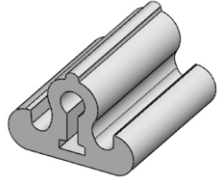
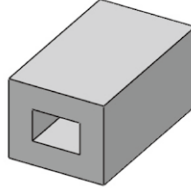
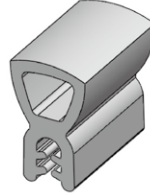
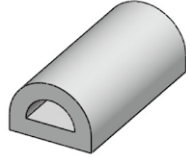
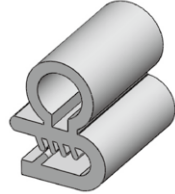
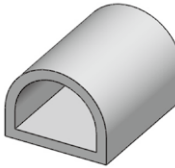
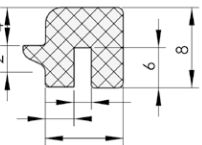
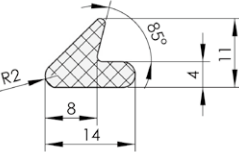
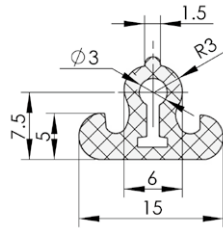
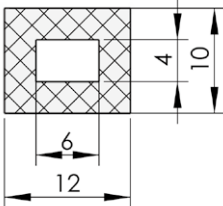
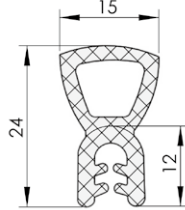
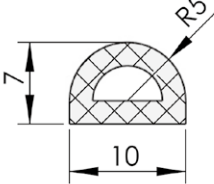
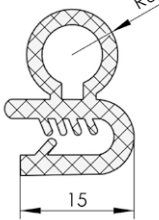
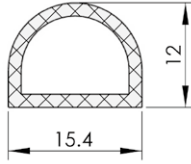
Maximum static load

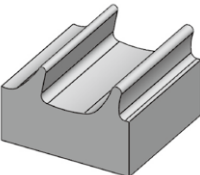
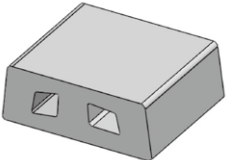
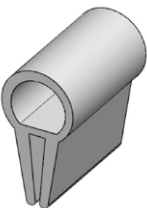
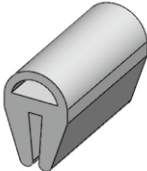
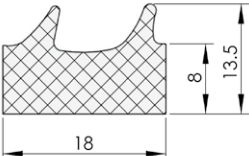
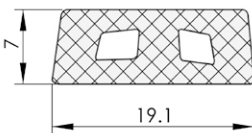
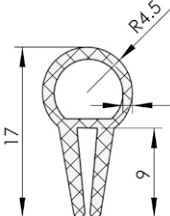
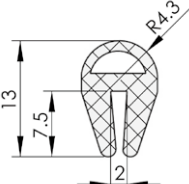
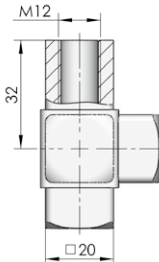
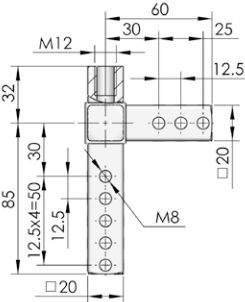
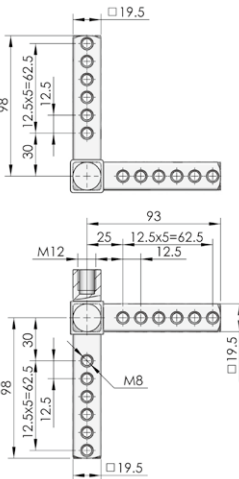
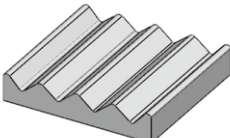
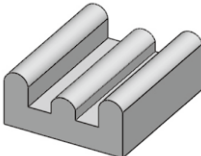
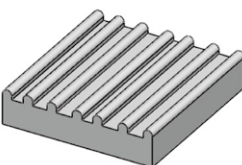
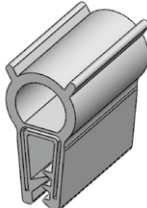
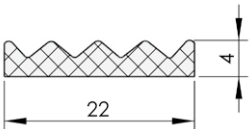
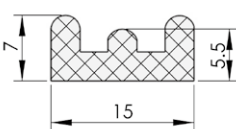
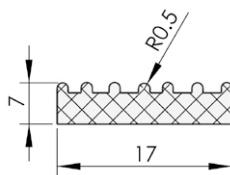
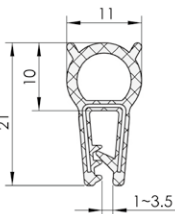
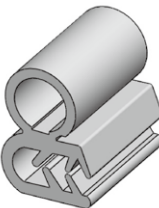
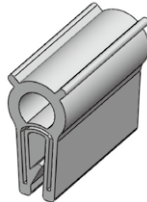
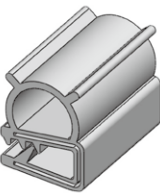
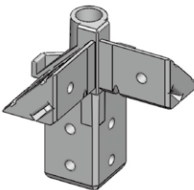
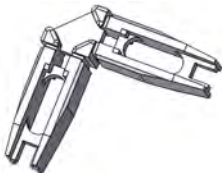
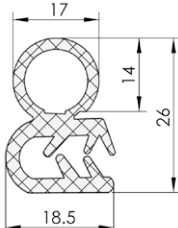
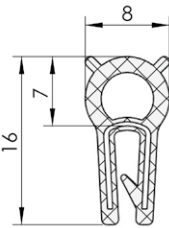
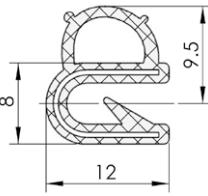
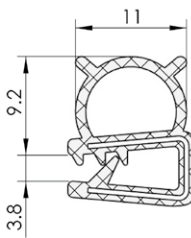
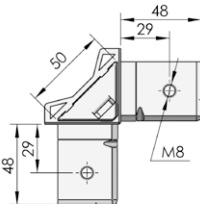
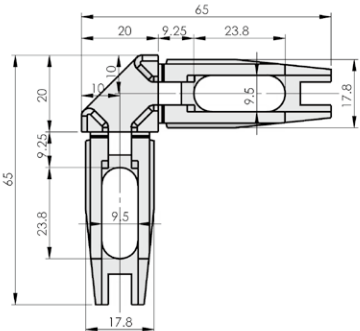
Radial load: 2000N

Axial load: 1500N

Accessories	CL295   Main material and finish: Black PA hinge, white zinc plated steel pin Application: Opening angle 180° Performance parameter: Maximum static load Radial load: 1180N Axial load: 1515N	 ERP CL295N00001	CL297  Main material and finish: Antirust oil soaked steel hinge Application: Opening angle 155° Performance parameter: Maximum static load Radial load: 1500N Axial load: 1800N	 ERP CL297F00001	Accessories
Electronic lock					Electronic lock
Handle lock					Handle lock
Cylinder lock					Cylinder lock
Plane lock					Plane lock
Rod control lock					Rod control lock
Panel lock	CL296   Main material and finish: White zinc-plated steel hinge Application: Opening angle 120° Performance parameter: Maximum static load Radial load: 200N Axial load: 160N	 ERP CL296F3D001	 ERP CL297F00002	CL297-2   Main material and finish: Antirust oil soaked steel hinge leaf, stainless steel pin Application: Opening angle 150° Performance parameter: Maximum static load Radial load: 900N Axial load: 2000N	Panel lock
Toggle and hook					Toggle and hook
Handles					Handles
Door stop					Door stop
Hinge					Hinge
Seal gasket					Seal gasket

Accessories	CL331   Main material and finish: Nanometer painted ZDC hinge and nickel plated steel pin Application: Opening angle 90° Performance parameter: Maximum static load Radial load: 260N Axial load: 330N	  <table><tr><td></td><td>Nanometer painted</td><td>Black powder coated</td></tr><tr><td>ERP</td><td>CL331Z2B001</td><td>CL331Z1A001</td></tr></table>					Nanometer painted	Black powder coated	ERP	CL331Z2B001	CL331Z1A001	Electronic lock
		Nanometer painted	Black powder coated									
ERP		CL331Z2B001	CL331Z1A001									
Handle lock		MFT-001  				Handle lock						
Cylinder lock		MFT-002  				Cylinder lock						
Plane lock	MFT-003  				Plane lock							
Rod control lock	MFT-004  				Rod control lock							
Panel lock	CL332   Main material and finish: Black powder coated ZDC hinge and nicked plated steel pin Application: Opening angle 90° Performance parameter: Maximum static load Radial load: 295N Axial load: 625N	  <table><tr><td></td><td>Nanometer painted</td><td>Black powder coated</td></tr><tr><td>ERP</td><td>CL332Z2B001</td><td>CL332Z1A001</td></tr></table>					Nanometer painted	Black powder coated	ERP	CL332Z2B001	CL332Z1A001	Panel lock
		Nanometer painted	Black powder coated									
ERP		CL332Z2B001	CL332Z1A001									
Toggle and hook		MFT-005  				Toggle and hook						
Handles		MFT-007  				Handles						
Door stop	MFT-009  				Door stop							
Hinge	MFT-011  				Hinge							
Seal gasket	MFT-012  				Seal gasket							
	MFT-015  											
	MFT-016  											

Accessories	MFT-017	MFT-018	MFT-019	MFT-020	MFT-036	MFT-037	MFT-038	MFT-039	Accessories
									
									
Electronic lock	MFT-025	MFT-026	MFT-027	MFT-028	MFT-041	MFT-042	MFT-043	MFT-045	Electronic lock
									
									
Handle lock	MFT-029	MFT-031	MFT-032	MFT-034	MFT-047	MFT-048	MFT-049	MFT-050	Handle lock
									
									
Cylinder lock	MFT-021	MFT-022	MFT-023	MFT-024	MFT-040	MFT-044	MFT-046	MFT-051	Cylinder lock
									
									
Plane lock	MFT-025	MFT-026	MFT-027	MFT-028	MFT-041	MFT-042	MFT-043	MFT-045	Plane lock
									
									
Rod control lock	MFT-029	MFT-031	MFT-032	MFT-034	MFT-047	MFT-048	MFT-049	MFT-050	Rod control lock
									
									
Panel lock	MFT-021	MFT-022	MFT-023	MFT-024	MFT-040	MFT-044	MFT-046	MFT-051	Panel lock
									
									
Toggle and hook	MFT-025	MFT-026	MFT-027	MFT-028	MFT-041	MFT-042	MFT-043	MFT-045	Toggle and hook
									
									
Seal gasket	MFT-029	MFT-031	MFT-032	MFT-034	MFT-047	MFT-048	MFT-049	MFT-050	Seal gasket
									
									

Accessories	MFT-051	MFT-054	MFT-055	MFT-056	Tee Pipe			Accessories												
					FJ019-3	FJ019-2	FJ019-1D													
																				
Electronic lock								Electronic lock												
Handle lock								Handle lock												
Cylinder lock								Cylinder lock												
Plane lock	MFT-058	MFT-059	MFT-060	MFT-065				Plane lock												
Rod control lock					<table><tr><th>ERP</th><th>Material</th></tr><tr><td>1120000096</td><td>Carbon steel</td></tr></table>	ERP	Material	1120000096	Carbon steel	<table><tr><th>ERP</th><th>Material</th></tr><tr><td>1120000090</td><td>Carbon steel</td></tr></table>	ERP	Material	1120000090	Carbon steel	<table><tr><th>ERP</th><th>Material</th></tr><tr><td>1120000086</td><td>Carbon steel</td></tr></table>	ERP	Material	1120000086	Carbon steel	Rod control lock
ERP	Material																			
1120000096	Carbon steel																			
ERP	Material																			
1120000090	Carbon steel																			
ERP	Material																			
1120000086	Carbon steel																			
Panel lock								Panel lock												
Toggle and hook								Toggle and hook												
Handles	MFT-067	MFT-068	MFT-069	MFT-070		FB0155		Handles												
Door stop								Door stop												
Hinge								Hinge												
Seal gasket					<table><tr><th>ERP</th><th>Material</th></tr><tr><td>1120000011</td><td>ZDC</td></tr></table>	ERP	Material	1120000011	ZDC	<table><tr><th>ERP</th><th>Material</th></tr><tr><td>1180150001</td><td>PA6+30%GF</td></tr></table>	ERP	Material	1180150001	PA6+30%GF		Seal gasket				
ERP	Material																			
1120000011	ZDC																			
ERP	Material																			
1180150001	PA6+30%GF																			

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Sample Tips

The performance and application specification of our products are only for reference. If the application conditions of the chosen products and the matching products can not be confirmed, then they should be tested under the practical situation and environment. Thereby it can be confirmed whether the products are suitable for the users and whether they satisfy the users in the application. The application conditions will be changed in different applicable occasions and by different installed methods, so the sample only introduces the products' general performance and application. The standard size is only for the users to confirm the products' external size and provide them proper installed methods. Any mistake or drawback of those data in practical application, we highly welcome your feedback information.

Order of regular standard items will be handled and dispatched faster than those of irregulars and nonstandard ones.

All of your cabinet locks, hinges, door stops and other regular products are RH application. Drawings of this catalog may not share single unified scale.

Remark:

[illegible]

Remark:

[illegible]